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## CURRENT INDUSTRIAL REPORTS

MC-22T (SUPP.)

Average Weight and Width of  
Broadwoven Fabrics (Gray)SELECTED YEARS FOR FIRST  
QUARTERS 1977-1982MC-22T (Supplement)  
Issued December 1982

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## DEPOSITORY

U.S. Department of Commerce  
BUREAU OF THE CENSUS

During the period from 1977 to 1982, the average width of cotton broadwoven fabric increased one percent. In 1977 the average linear yard of cotton broadwoven fabric included 1.25 square yards of material. This ratio increased to 1.26 during the first quarter of 1982. For manmade fiber broadwoven fabric, the ratio of square yards per linear yards increased 4 percent

from 1977 to 1982. The averages for first quarter 1977 and 1982 were 1.57 and 1.64, respectively. The ratio of square yards per linear yard for woolen and worsted fabric remained unchanged at 1.7 for 1977 and 1982.

A description of the survey methodology and other related information appears on page 7.

Table 1. SUMMARY OF PRODUCTION OF COTTON BROADWOVEN GRAY FABRICS: FIRST QUARTERS 1982, 1977, 1972, 1968, AND 1963

(In thousands)					
Product	1982	1977	1972	1968	1963
Cotton broadwoven goods:					
Linear yards.....	778,109	1,206,517	1,515,784	2,034,293	2,247,148
Square yards.....	982,998	1,514,309	1,938,082	2,640,995	2,752,483
Pounds.....	366,832	521,802	665,557	780,188	791,427
Square yards per linear yard.....	1.26	1.25	1.28	1.30	1.22
Linear yards per pound.....	2.12	2.31	2.28	2.61	2.84
Square yards per pound.....	2.68	2.89	2.91	3.39	3.48
Duck and allied fabrics, including combed duck:					
Linear yards.....	20,641	26,547	40,357	68,725	54,298
Square yards.....	26,547	37,174	52,386	91,387	67,252
Pounds.....	16,710	23,552	35,363	60,730	44,143
Square yards per linear yard.....	1.29	1.40	1.30	1.33	1.24
Linear yards per pound.....	2.24	1.13	1.14	1.13	1.23
Square yards per pound.....	1.59	1.58	1.48	1.50	1.52
Sheeting and allied coarse and medium yarn fabrics:					
Linear yards.....	109,270	188,627	410,506	622,812	608,023
Square yards.....	154,314	265,633	599,235	887,327	818,912
Pounds.....	52,640	94,852	209,061	282,227	261,980
Square yards per linear yard.....	1.41	1.46	1.46	1.42	1.35
Linear yards per pound.....	2.08	1.99	1.96	2.21	2.32
Square yards per pound.....	2.93	2.81	2.87	3.15	3.13
Print cloth yarn fabrics (carded yarns approximately 28s to 42s):					
Linear yards.....	333,433	496,410	567,340	726,950	763,591
Square yards.....	411,192	638,943	691,969	859,877	888,196
Pounds.....	36,976	71,574	89,434	122,165	144,004
Square yards per linear yard.....	1.23	1.28	1.22	1.18	1.16
Linear yards per pound.....	9.02	6.94	6.34	5.95	5.30
Square yards per pound.....	11.02	8.86	7.74	7.04	6.17
Carded yarn fabric (average carded yarns coarser than 35s):					
Linear yards.....	94,373	215,618	125,789	84,303	114,421
Square yards.....	143,342	221,589	155,901	99,850	124,521
Pounds.....	112,414	155,756	97,245	54,177	64,976
Square yards per linear yard.....	1.52	1.03	1.24	1.18	1.09
Linear yards per pound.....	.84	1.38	1.29	1.56	1.76
Square yards per pound.....	1.28	1.42	1.60	1.84	1.92
Toweling, washcloth and dishcloth fabrics:					
Linear yards.....	122,021	130,229	154,965	161,877	151,093
Square yards.....	106,743	141,323	128,079	142,071	90,827
Pounds.....	81,106	81,812	93,263	77,659	55,764
Square yards per linear yard.....	.87	1.09	.83	.88	.60
Linear yards per pound.....	1.50	1.59	1.66	2.08	2.71
Square yards per pound.....	1.32	1.73	1.37	1.83	1.63
Blanketing and other napped fabrics:					
Linear yards.....	11,519	29,297	34,118	37,568	41,556
Square yards.....	14,849	35,785	42,390	49,180	52,165
Pounds.....	7,806	15,353	16,429	19,180	18,215
Square yards per linear yard.....	1.29	1.22	1.24	1.31	1.26
Linear yards per pound.....	1.48	1.91	2.08	1.96	2.28
Square yards per pound.....	1.90	2.33	2.58	2.56	2.86
Fine cotton fabrics (combed and fine carded):					
Linear yards.....	32,815	27,564	46,603	205,751	403,802
Square yards.....	37,981	37,752	68,739	325,064	553,204
Pounds.....	11,598	10,286	19,454	80,952	136,486
Square yards per linear yard.....	1.16	1.37	1.48	1.53	1.37
Linear yards per pound.....	2.83	2.68	2.40	2.54	2.96
Square yards per pound.....	3.27	3.67	3.53	4.02	4.05
Other woven cotton fabrics and specialties:					
Linear yards.....	54,037	92,225	136,106	126,307	110,364
Square yards.....	88,030	136,110	199,383	186,239	157,406
Pounds.....	47,256	68,607	105,308	83,098	65,859
Square yards per linear yard.....	1.63	1.44	1.47	1.47	1.43
Linear yards per pound.....	1.14	1.34	1.29	1.52	1.68
Square yards per pound.....	1.86	1.94	1.89	2.24	2.39

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Kay Reardon, (301) 763-2553.

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Table 2. SUMMARY OF PRODUCTION OF MANMADE FIBER BROADWOVEN GRAY GOODS: FIRST QUARTERS 1982, 1977, 1972, AND 1968

Product	1982	1977	1972	1968
Manmade fiber fabrics, total:				
Square yards.....	2,352,342	2,433,522	2,021,883	1,800,884
Linear yards.....	1,430,553	1,553,822	1,341,459	1,284,746
Pounds.....	607,905	697,073	555,350	498,940
Square yards per linear yard.....	1.64	1.57	1.51	1.40
Linear yards per pound.....	2.35	2.29	2.42	2.57
Square yards per pound.....	3.87	3.58	3.64	3.61
100 percent filament yarn fabrics:				
Square yards.....	769,045	807,369	649,373	644,708
Linear yards.....	460,907	497,945	423,128	465,372
Pounds.....	158,965	183,511	132,081	118,757
Square yards per linear yards.....	1.67	1.62	1.53	1.39
Linear yards per pound.....	2.90	2.71	3.20	3.92
Square yards per pound.....	4.84	4.40	4.92	5.43
Chiefly rayon and/or acetate fabrics:				
Square yards.....	95,534	121,037	179,827	275,138
Linear yards.....	73,745	93,959	139,867	210,365
Pounds.....	19,010	25,460	37,867	51,541
Square yards per linear yards.....	1.30	1.29	1.29	1.31
Linear yards per pound.....	3.88	3.69	3.69	4.08
Square yards per pound.....	5.03	4.75	4.75	5.34
Chiefly nylon fabrics:				
Square yards.....	110,295	138,061	122,807	116,495
Linear yards.....	74,267	96,208	87,193	86,455
Pounds.....	15,989	21,596	15,357	14,148
Square yards per linear yard.....	1.49	1.44	1.41	1.35
Linear yards per pound.....	4.64	4.45	5.68	6.11
Square yards per pound.....	6.90	6.39	8.00	8.23
All other filament yarn fabrics:				
Square yards.....	563,216	548,271	346,739	253,075
Linear yards.....	312,895	307,778	196,068	168,552
Pounds.....	123,926	136,455	78,857	53,068
Square yards per linear yard.....	1.80	1.78	1.77	1.50
Linear yards per pound.....	2.52	2.26	2.49	3.18
Square yards per pound.....	4.54	4.02	4.40	4.77
100 percent spun yarn fabrics: <sup>1</sup>				
Square yards.....	1,326,334	1,409,614	1,090,500	913,355
Linear yards.....	808,846	899,782	720,648	649,578
Pounds.....	371,979	424,109	294,101	279,299
Square yards per linear yards.....	1.64	1.57	1.51	1.40
Linear yards per pound.....	2.17	2.12	2.45	2.36
Square yards per pound.....	3.57	3.32	3.71	3.30
100 percent rayon and/or acetate fabrics:				
Square yards.....	19,342	40,686	97,868	113,279
Linear yards.....	11,968	27,451	67,579	78,446
Pounds.....	5,239	9,862	23,618	36,119
Square yards per linear yard.....	1.62	1.48	1.45	1.44
Linear yards per pound.....	2.28	2.78	2.86	2.17
Square yards per pound.....	3.69	4.13	4.14	3.14
Rayon and/or acetate blends with other fabrics:				
Square yards.....	11,181	34,139	50,774	133,497
Linear yards.....	8,630	25,894	35,994	98,180
Pounds.....	5,537	8,688	14,776	39,780
Square yards per linear yards.....	1.30	1.32	1.41	1.36
Linear yards per pound.....	1.56	2.98	2.44	2.47
Square yards per pound.....	2.02	3.93	3.44	3.36
Polyester blends with cotton:				
Square yards.....	1,009,264	1,086,263	781,410	565,108
Linear yards.....	606,124	694,143	505,116	408,800
Pounds.....	275,118	337,349	208,036	164,643
Square yards per linear yard.....	1.67	1.56	1.55	1.38
Linear yards per pound.....	2.20	2.06	2.43	2.48
Square yards per pound.....	3.67	3.22	3.76	3.43
All other spun yarn fabrics:				
Square yards.....	286,547	248,526	160,448	101,471
Linear yards.....	182,124	152,294	111,959	64,152
Pound.....	86,085	68,210	47,671	38,757
Square yards per linear yards.....	1.57	1.63	1.43	1.58
Linear yards per pound.....	2.12	2.23	2.35	1.66
Square yards per pound.....	3.33	3.64	3.37	2.62
Combinations and mixtures of filament and spun yarn fabrics:				
Square yards.....	225,309	132,081	183,647	151,502
Linear yards.....	138,113	88,254	136,418	112,719
Pound.....	54,236	28,375	58,322	42,170
Square yards per linear yards.....	1.63	1.50	1.35	1.34
Linear yards per pound.....	2.55	3.11	2.34	2.64
Square yards per pound.....	4.15	4.65	3.15	3.59
Silk, paper, and other specialty fabrics: <sup>2</sup>				
Square yards.....	31,654	84,458	98,363	91,319
Linear yards.....	22,687	67,841	61,265	57,077
Pound.....	22,725	43,078	70,846	58,714
Square yards per linear yard.....	1.40	1.24	1.61	1.60
Linear yards per pound.....	1.00	1.57	.86	.97
Square yards per pound.....	1.39	1.96	1.39	1.56

<sup>1</sup>Excludes blanketing prior to 1982.<sup>2</sup>Includes blanketing prior to 1982.



Table 3. SUMMARY OF PRODUCTION OF WOOLEN AND WORSTED FABRICS: FIRST QUARTERS 1982, 1977, 1972, 1968, AND 1963

(in thousands)

Product	1982		1977	1972	1968	1963
	Total	Coverage ratio percent				
Woolen and worsted fabrics (except felts): <sup>1</sup>						
Linear yards <sup>2</sup> .....	22,404	(X)	26,215	26,369	62,039	77,968
Square yards.....	38,148	84	44,174	44,201	102,459	126,510
Pounds.....	19,042	(X)	26,806	27,671	53,599	66,401
Square yards per linear yard.....	1.7	(X)	1.7	1.7	1.7	1.6
Ounces per linear yard.....	13.6	(X)	16.4	16.8	13.8	13.6
Ounces per square yard.....	8.0	(X)	9.7	10.0	8.4	8.4
Apparel fabrics: <sup>3</sup>						
Linear yards.....	21,520	(X)	21,637	24,672	60,010	74,620
Square yards.....	36,519	85	36,524	41,031	99,056	120,229
Pounds.....	17,625	(X)	20,540	25,235	50,235	61,292
Square yards per linear yard.....	1.7	(X)	1.7	1.7	1.7	1.6
Ounces per linear yard.....	13.1	(X)	15.2	16.4	13.4	13.1
Ounces per square yard.....	7.7	(X)	9.0	9.8	8.1	8.2
Men's and boys' clothing: <sup>3 4</sup>						
Linear yards.....	10,742	(X)	9,739	9,085	23,938	31,349
Square yards.....	17,886	84	16,567	15,414	39,965	50,517
Pounds.....	8,403	(X)	7,919	7,482	18,088	23,912
Square yards per linear yard.....	1.7	(X)	1.7	1.7	1.7	1.6
Ounces per linear yard.....	12.5	(X)	13.0	13.2	12.1	12.2
Ounces per square yard.....	7.5	(X)	7.6	7.7	7.2	7.6
Worsted:						
Linear yards <sup>2</sup> .....	(NA)	(NA)	4,681	(NA)	(NA)	(NA)
Square yards.....	(NA)	(NA)	7,893	(NA)	(NA)	(NA)
Pounds.....	(NA)	(NA)	3,546	(NA)	(NA)	(NA)
Square yards per linear yard.....	(NA)	(NA)	1.7	(NA)	(NA)	(NA)
Ounces per linear yard.....	(NA)	(NA)	12.1	(NA)	(NA)	(NA)
Ounces per square yard.....	(NA)	(NA)	7.2	(NA)	(NA)	(NA)
Woolen:						
Linear yards <sup>2</sup> .....	(NA)	(NA)	5,058	(NA)	(NA)	(NA)
Square yards.....	(NA)	(NA)	8,694	(NA)	(NA)	(NA)
Pounds.....	(NA)	(NA)	4,373	(NA)	(NA)	(NA)
Square yards per linear yard.....	(NA)	(NA)	1.7	(NA)	(NA)	(NA)
Ounces per linear yard.....	(NA)	(NA)	13.8	(NA)	(NA)	(NA)
Ounces per square yard.....	(NA)	(NA)	8.0	(NA)	(NA)	(NA)
Women's and children's clothing: <sup>4</sup>						
Linear yards <sup>2</sup> .....	10,778	(X)	11,898	15,228	33,523	41,576
Square yards.....	18,633	86	19,957	25,007	54,865	66,935
Pounds.....	9,222	(X)	12,621	17,385	29,942	35,772
Square yards per linear yard.....	1.7	(X)	1.7	1.6	1.6	1.6
Ounces per linear yard.....	13.7	(X)	17.0	18.3	14.3	13.8
Ounces per square yard.....	7.9	(X)	10.1	11.1	8.7	8.6
Nonapparel fabrics:						
Linear yards <sup>2</sup> .....	884	(X)	4,578	1,697	2,029	3,348
Square yards.....	1,629	67	7,650	3,170	3,403	6,281
Pounds.....	1,417	(X)	6,266	2,436	3,364	5,109
Square yards per linear yard.....	1.8	(X)	1.7	1.8	1.7	1.9
Ounces per linear yard.....	25.6	(X)	21.9	23.0	26.5	24.4
Ounces per square yard.....	13.9	(X)	13.1	12.3	15.8	13.0

(NA) Not available. (X) Not applicable.

<sup>1</sup>Data are for fabrics that are 50 percent or more wool by weight.<sup>2</sup>Fabrics other than blanketing are reported in 54- to 60-inch widths or equivalent 54-inch width; blanketing reported in 72-inch width for years prior to 1982.<sup>3</sup>Includes Government orders for 1977 and 1982.<sup>4</sup>Separate data for woolen and worsted clothing fabric not available.



Table 4. PRODUCTION OF COTTON BROADWOVEN GRAY FABRIC: FIRST QUARTER 1982

Product code	Type of fabric	1,000 square yards	1,000 linear yards	1,000 pounds	Ratios		Coverage ratio <sup>1</sup> (percent)
					Square yards per linear yard	Square yards per pound	
	Cotton broadwoven goods.....	982,998	778,109	366,832	1.26	2.68	95
	Duck and allied fabrics, including combed duck.....	26,547	20,641	16,710	1.29	1.59	95
22111 11	Plied warp duck.....	16,352	13,857	11,721	1.18	1.40	98
22111 31	Army (plied filling only, including shelter tent and woven stripe).....	5,685	5,530	3,932	1.03	1.45	100
22111 41	Hose and belting.....	(D)	(D)	(D)	(D)	(D)	100
22111 51	All other plied warp ducks, including filter twill and plied yarn chaffer.....	(D)	(D)	(D)	(D)	(D)	97
	Single warp ducks.....	10,195	6,784	4,989	1.50	2.04	90
	Sheeting and allied coarse and medium yarn fabrics.....	154,314	109,270	52,640	1.41	2.93	97
22112 01	Osnaburgs (single yarns--clean, tinged, and part waste--all widths).....	18,861	13,612	5,256	1.39	3.59	95
	Sheetings.....	61,791	42,603	16,444	1.45	3.76	100
22112 01	Soft filled.....	27,553	21,180	7,406	1.30	3.72	100
22112 16	Class A and Class B (average yarn numbers up to 21's inclusive).....	11,384	6,482	3,983	1.76	2.86	100
22112 23	Class C (average yarn numbers above 21's, excluding fine carded).....	22,854	14,941	5,055	1.53	4.52	100
	Drills.....	15,592	9,889	5,565	1.58	2.80	97
22112 32	39 inches 1.90 to 2.00 and pro rata widths.....	15,592	9,889	5,565	1.58	2.80	97
22112 33	All other widths.....						
22112 40	Jeans.....	4,700	3,694	1,562	1.27	3.01	98
22112 53	Twills, including three leaf and four leaf.....	18,644	12,996	9,482	1.43	1.97	93
	Sateens (sheeting yarn).....	22,055	13,663	10,383	1.61	2.12	97
22112 61	Under 52 inches.....	3,269	2,390	1,338	1.37	2.44	100
22112 63	52 inches and wider.....	18,786	11,273	9,045	1.67	2.08	97
22112 67	Birdseye diaper cloth.....	8,265	9,845	2,084	.84	3.97	83
22112 68	Bed sheeting (42 inches and wider) muslin and carded percales.....	(D)	(D)	(D)	(D)	(D)	90
22112 99	All other sheeting yarn fabrics including carded poplins, pillow and industrial tubing, dobby-type twills, and bedford cords.....	(D)	(D)	(D)	(D)	(D)	100
	Print cloth yarn fabrics (carded yarns approximately 28's to 42's).....	411,192	333,433	37,302	1.23	11.12	88
	Plain print cloths (total threads per square inch 85 to 180).....	97,978	73,291	17,876	1.34	5.48	99
22113 15	Less than 42 inches.....	(D)	(D)	(D)	(D)	(D)	100
22113 30	42 inches but less than 47 inches.....	17,724	14,088	2,821	1.26	6.28	100
	47 inches but less than 52 inches.....	(D)	(D)	(D)	(D)	(D)	99
22113 33	Under 64 sley.....	13,651	9,782	2,254	1.40	6.06	100
22113 34	64/70 sley.....	13,303	9,621	2,509	1.38	5.30	100
22113 35	71/79 sley.....	24,198	17,473	4,595	1.38	5.27	100
22113 37	Over 79 sley.....	(D)	(D)	(D)	(D)	(D)	95
22113 41	52 inches and over.....	5,153	3,130	978	1.65	5.27	100
22113 65	Bandage cloth, all constructions (total threads per square inch 72 to 84).....	14,447	11,742	1,525	1.23	9.47	88
22113 72	Tobacco and cheese cloth (total threads per square inch 71 and under).....	285,236	236,705	14,372	1.20	19.85	85
22113 79	All widths 20x12 or 18x14 or 18x12.....	(D)	(D)	(D)	(D)	(D)	100
22113 81	All others.....	(D)	(D)	(D)	(D)	(D)	71
22113 81	Carded broadcloths.....	(D)	(D)	(D)	(D)	(D)	67
22113 89	All other print cloth yarn constructions, including window shade cloth, carded poplins, three leaf twills, and fancy print cloth.....	(D)	(D)	(D)	(D)	(D)	86
	Carded colored yarn fabrics.....	143,342	94,373	112,414	1.52	1.28	98
	Denims, clothing, including sport denims.....	126,425	81,734	103,039	1.55	1.23	98
22114 02	10 oz. and under per square yard.....	17,551	12,374	9,081	1.42	1.93	92
22114 07	Over 10 oz. per square yard.....	108,874	69,360	93,958	1.57	1.16	100
22114 18	All other carded colored yarn fabrics, including chambray, etc.....	16,917	12,639	9,375	1.34	1.80	100
	Toweling, washcloth, and dishcloth fabrics.....	106,743	122,021	81,106	.87	1.32	87
22114 33	Terry toweling, washcloth, bathmats, and dishcloth fabrics, with cutmarks or borders.....	88,311	94,359	71,426	.94	1.24	85
22114 35	Terry toweling and terry cloth, without cutmarks or borders, sold by the yard...	7,205	5,764	4,251	1.23	1.69	97
22114 39	Cutmark or border toweling, cabinet, and other continuous length toweling (other than terry).....	11,227	21,898	5,429	.51	2.07	95
	Blanketing and other napped fabrics.....	14,849	11,519	7,806	1.29	1.90	77
22114 52	Blanketing, crib, thermal, and other.....	3,345	1,593	1,002	2.10	3.34	100
22114 65	Canton flannels.....	6,930	6,514	4,175	1.06	1.66	78
22114 93	All other napped fabrics except blanketing, including outing and interlining flannels.....	4,574	3,412	2,629	1.34	1.74	92
	Fine cotton fabrics (combed and fine carded).....	37,981	32,815	11,598	1.16	3.27	82
22115 41	Bed sheetings.....	(D)	(D)	(D)	(D)	(D)	75
22115 43	All other combed and fine carded fabrics.....	(D)	(D)	(D)	(D)	(D)	85
	Other woven cotton fabrics and specialties.....	88,030	54,037	47,256	1.63	1.86	85
22116 23	Upholstery and tapestry fabrics, including combed.....	6,791	4,738	4,016	1.43	1.69	80
	Corduroys.....	66,916	42,163	36,798	1.59	1.82	95
22116 31	Pinwales.....	14,583	9,327	6,605	1.56	2.21	91
22116 33	Midwales.....	28,692	17,385	16,527	1.65	1.74	96
22116 35	Thicksets.....	4,888	3,050	2,949	1.60	1.66	100
22116 37	Widewales and other corduroys.....	18,753	12,401	10,717	1.51	1.75	94
22116 45	Velvets, velveteens, plushes, and other pile fabrics including combed....	2,860	2,079	2,055	1.38	1.39	96
	All other cotton fabrics over 12 inches wide, including table damask cloths, covers, and napkins.....	11,463	5,057	4,387	2.27	2.61	74
22116 71	Jacquard.....	6,773	3,476	2,879	1.95	2.35	60
22116 73	All other.....	4,690	1,581	1,508	2.97	3.11	94

(D) Withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Represents percentage of total square yards accounted for by reports received in this survey.



Table 5. PRODUCTION OF MANMADE FIBER AND SILK BROADWOVEN GRAY FABRIC: FIRST QUARTER 1982

Product code	Type of fabric	1,000 square yards	1,000 linear yards	1,000 pounds	Ratios		Coverage ratio <sup>1</sup> (percent)
					Square yards per linear yard	Square yards per pound	
	Manmade fiber and silk broadwoven fabrics (gray).....	2,352,342	1,430,553	607,905	1.64	3.87	95
	Manmade fiber fabrics (except silk, paper, and other specialty fabrics)....	2,320,688	1,407,866	585,180	1.65	3.97	96
	100% filament yarn fabrics.....	769,045	460,907	158,965	1.67	4.84	93
	100% filament acetate and triacetate fabrics.....	77,458	60,534	14,773	1.28	5.24	96
	Taffetas (plain weave).....	37,896	29,813	6,374	1.27	5.95	100
22211 11	75 denier warp.....	9,129	7,175	1,607	1.27	5.68	99
22211 13	150 denier warp.....	12,262	9,488	2,346	1.29	5.23	100
22211 19	All other plain weave taffetas.....	16,505	13,150	2,421	1.26	6.82	100
22211 25	Twills, satins, and other.....	39,562	30,721	8,399	1.29	4.71	91
22211 50	Acetate or triacetate and other filament combinations, chiefly acetate or triacetate.....	10,284	7,055	2,224	1.46	4.62	71
22211 60	100% filament rayon fabrics, including viscose and bemberg process.....	4,978	3,838	1,276	1.30	3.90	78
22211 80	Rayon and other filament combinations, chiefly rayon.....	(D)	(D)	(D)	(D)	(D)	96
	100% filament nylon fabrics.....	110,295	74,267	15,989	1.49	6.90	90
22212 21	Taffetas (plain weave).....	46,480	32,463	4,021	1.43	11.56	88
22212 41	Industrial type.....	55,701	35,740	8,459	1.56	6.58	96
22212 46	Other 100% filament nylon weaves and chiefly nylon filament combinations, including stretch weaves, twills, satins, and sheers...	8,114	6,064	3,509	1.34	2.31	65
	100% filament polyester fabrics.....	211,616	119,426	44,850	1.77	4.72	93
	Textured yarn fabrics.....	165,661	88,812	39,012	1.87	4.25	95
22212 54	Up to 4 oz. per square yard.....	55,133	31,532	6,989	1.75	7.89	100
22212 55	4 oz. and over per square yard.....	110,528	57,280	32,023	1.93	3.45	92
	Nontextured yarn fabrics.....	45,955	30,614	5,838	1.50	7.87	88
22212 56	Taffetas.....	3,393	1,934	337	1.75	10.07	100
22212 57	Marquisettes, ninons, and other sheers.....	27,639	18,590	2,596	1.49	10.65	84
22212 58	Industrial.....	11,440	7,663	2,316	1.49	4.94	92
22212 59	Other.....	3,483	2,427	589	1.44	5.91	88
22212 71	Polyester and other filament combinations, chiefly polyester.....	25,117	15,036	5,059	1.67	4.96	92
22212 72	Glass fiber fabrics.....	86,074	70,592	30,436	1.22	2.83	98
	Household fabrics, including marquisettes, drapery, upholstery fabrics, etc.....	(2)	(2)	(2)	(2)	(2)	(2)
	Industrial fabrics.....	86,074	70,592	30,436	1.22	2.83	98
22212 82	Woven roving and screening.....	4,740	4,224	1,523	1.12	3.11	82
22212 85	Other industrial fabrics.....	281,334	266,368	228,913	2.123	2.81	299
22212 94	Other 100% filament yarn fabrics, including saran and olefin.....	(D)	(D)	(D)	(D)	(D)	93
	100% spun yarn fabrics and blends chiefly manmade fibers by weight.....	1,326,334	808,846	371,979	1.64	3.57	97
	Spun rayon and/or acetate fabrics, including high modulus and other modified.....	30,523	20,598	10,776	1.48	2.83	88
22213 13	100% spun rayon and/or acetate fabrics, except blanketing.....	19,342	11,968	5,239	1.62	3.69	84
22213 28	Twills and satins.....	6,797	3,769	2,168	1.80	3.14	93
	Other 100% spun rayon and/or acetate fabrics, including challis and linen type.....	12,545	8,199	3,071	1.53	4.08	84
22213 41	Spun rayon and/or acetate blends, except blanketing.....	11,181	8,630	5,537	1.30	2.02	85
22215 55	Spun nylon fabrics, including blends.....	12,251	8,361	6,666	1.47	1.84	100
	Spun polyester fabrics.....	1,264,388	768,712	343,981	1.64	3.68	97
22217 32	Blanketing wholly or chiefly spun polyester.....	9,803	4,934	5,063	1.99	1.94	92
	100% spun polyester fabrics, except blanketing.....	76,022	40,872	15,366	1.86	4.95	100
22214 06	Print cloth yarn fabrics.....	12,437	8,540	3,000	1.46	4.15	100
22214 07	Other 100% spun polyester fabrics, except blanketing.....	63,585	32,332	12,366	1.97	5.14	100
	Chiefly spun polyester blends with cotton only, except blanketing.....	1,009,264	606,124	275,118	1.67	3.67	96
22214 13	Batiste.....	61,642	43,465	10,313	1.42	5.98	100
22214 15	Bed sheeting.....	353,143	160,817	82,990	2.20	4.26	93
22214 14	Combed.....	210,351	94,070	50,184	2.24	4.19	95
22214 16	Carded.....	142,792	66,747	32,806	2.14	4.35	89
22214 17	Combed broadcloth.....	68,610	50,773	14,692	1.35	4.67	100
22214 21	Corduroy.....	(D)	(D)	(D)	(D)	(D)	100
	Twills, including gabardine.....	99,874	70,114	53,045	1.42	1.88	91
22214 24	Less than 8 oz./square yard.....	73,445	52,668	35,775	1.39	2.05	89
22214 25	8 oz./square yard and over.....	26,429	17,446	17,270	1.51	1.53	96
	Oxfords.....	8,051	5,548	3,107	1.45	2.59	100
22214 27	Shirting.....	(D)	(D)	(D)	(D)	(D)	100
22214 28	Other (including hopsacks, duck, etc.).....	(D)	(D)	(D)	(D)	(D)	100
22214 30	Poplins.....	69,441	46,152	23,089	1.50	3.01	96
22214 34	Sateens.....	4,987	3,096	2,183	1.61	2.28	98
22214 35	Voiles.....	7,073	5,361	789	1.32	8.96	100
	Yarn dyed fabrics.....	54,605	36,464	16,818	1.50	3.25	97
22214 31	Plaids, gingham, and checks.....	(D)	(D)	(D)	(D)	(D)	99
22214 32	Shirtings, stripes, and chambrays.....	20,271	12,963	4,594	1.56	4.41	94
22214 33	Denim.....	(D)	(D)	(D)	(D)	(D)	100
22214 36	Other.....	(D)	(D)	(D)	(D)	(D)	100
	Print cloth fabric.....	218,850	139,446	45,297	1.57	4.83	98
	Plain print cloth and carded broadcloth.....	195,016	123,374	43,125	1.58	4.52	99
22214 41	Under 71 sley.....	(D)	(D)	(D)	(D)	(D)	100
22214 42	71 79 sley.....	132,093	83,387	30,087	1.58	4.39	98
22214 43	Over 79 sley.....	(D)	(D)	(D)	(D)	(D)	100
22214 45	All other print cloth.....	23,834	16,072	2,172	1.48	10.97	87

See footnotes at end of table.



Table 5. PRODUCTION OF MANMADE FIBER AND SILK BROADWOVEN GRAY FABRIC: FIRST QUARTER 1982--Continued

Product code	Type of fabric	1,000 square yards	1,000 linear yards	1,000 pounds	Ratios		Coverage ratio <sup>1</sup> (percent)
					Square yards per linear yard	Square yards per pound	
	100% spun yarn fabrics and blends chiefly manmade fibers by weight--Continued						
	Spun polyester fabrics--Continued						
	Chiefly spun polyester blends with cotton--Continued						
22214 47	All other polyester/cotton fabric.....	(D)	(D)	(D)	(D)	(D)	100
22214 51	Under 4 oz. per square yard.....	(D)	(D)	(D)	(D)	(D)	100
22214 52	4 oz. and over per square yard.....	27,471	20,042	10,778	1.37	2.55	100
	Chiefly spun polyester blends with wool, except blanketing.....	14,790	9,029	6,675	1.64	2.22	96
22215 24	Chiefly spun polyester blends with rayon, except blanketing.....	133,088	94,619	35,645	1.41	3.73	100
	Plain print cloth, including broadcloth.....	83,396	63,289	17,603	1.32	4.74	100
22215 23	Other print cloth yarn fabrics.....	(D)	(D)	(D)	(D)	(D)	100
22215 25	All other spun polyester/rayon fabrics.....	(D)	(D)	(D)	(D)	(D)	100
22215 29	Chiefly spun polyester blends with other fibers, except blanketing..	21,421	13,134	6,114	1.63	3.50	95
	Spun acrylic and modacrylic fabrics.....	15,945	9,061	9,315	1.76	1.71	99
22217 41	Blanketing, wholly or chiefly spun acrylic and modacrylic.....	9,524	4,370	4,988	2.18	1.91	98
22215 32	Spun acrylic fabrics, except blanketing, including blends.....	6,421	4,691	4,327	1.37	1.48	100
22215 79	All other 100% spun yarn fabrics and blends.....	3,227	2,114	1,241	1.53	2.60	99
	Combination of mixtures of filament and spun yarn fabrics (wholly or chiefly by weight or manmade fiber).....	225,309	138,113	54,236	1.63	4.15	97
	Filament warp fabrics with spun filling, chiefly manmade fibers by weight.	96,005	63,119	24,710	1.52	3.89	94
22216 12	Filament rayon or acetate warp.....	29,118	22,017	8,456	1.32	3.44	96
22216 30	Filament polyester warp, except textured.....	32,953	20,506	6,058	1.61	5.44	97
22216 31	Textured polyester warp.....	22,827	13,809	8,157	1.65	2.80	100
22216 52	All other filament warp fabrics, including nylon.....	11,107	6,787	2,039	1.64	5.45	91
	Spun warp fabrics with filament filling, chiefly manmade fibers by weight.....	(D)	(D)	(D)	(D)	(D)	98
22216 77	Textured polyester filling.....	78,551	45,674	18,591	1.72	4.23	100
22216 87	All other filament filling.....	(D)	(D)	(D)	(D)	(D)	92
22216 87	Combination filament and spun warp or filling.....	(D)	(D)	(D)	(D)	(D)	99
	Silk, paper, and other specialty fabrics.....	31,654	22,687	22,725	1.40	1.39	77
22217 82	Silk fabrics.....	(D)	(D)	(D)	(D)	(D)	72
22217 61	Upholstery and tapestry fabrics.....	20,504	13,377	14,267	1.53	1.44	77
22217 63	Velvets, plushes, and other pile fabrics, except upholstery.....	3,812	3,762	2,155	1.01	1.77	90
22217 75	All other, including girdle and swimwear and twisted paper yarn fabric..	(D)	(D)	(D)	(D)	(D)	69

(D) Withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Represents percentage of total square yards accounted for by reports received in this survey.<sup>2</sup>Product code 22212 72 is included in product code 22212 85 to avoid disclosing figures for individual companies.



## DESCRIPTION OF SURVEY

*Scope of Survey*—This survey covers all companies manufacturing broadwoven fabrics (gray) in the United States, except very small firms (generally less than five employees) for which 1977 Census of Manufactures data were derived from administrative records of other government agencies.

*Survey Methodology*—The statistics in this publication were collected by mail on Bureau of the Census annual Form MC-22T, Broadwoven Fabrics (Gray)—Average Weight and Width. All manufacturers included in the census quarterly broadwoven fabrics survey (Forms MQ-22T and MQ-22T(S), except those reporting in tire cord and tire cord fabric, were included in this study of fabric weights and widths. Reports were received from manufacturers accounting for approximately 95 percent of the first quarter 1982 production of cotton, manmade fiber, and woolen and worsted fabrics. Establishments producing only tire cord and tire cord fabrics were excluded from this survey.

Based on the reports submitted, ratios of production of linear yards and pounds to square yards were computed for each of the fabrics shown in tables 3, 4, and 5, respectively. These ratios were then applied to the actual production data, in square yards, to obtain estimates of the linear yards and pounds of fabric produced. For all fabrics, the coverage ratios indicate the percentage of the total production reported by respondents in this study for 1982. Individual figures for linear yards and pounds are withheld when they are based on reports accounting for less than 50 percent of the total production.

*Reliability of Data*—Survey error may result from several sources: (1) inability to obtain information about all cases in the survey, (2) response errors, (3) definitional difficulties, (4) differences in the interpretation of questions, (5) mistakes in recording or coding the data obtained, and (6) other errors of collection, response, coverage, and estimation for missing data. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to non-sampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is due to imputing data for nonrespondents, for late reporters, and for data which fail logic edits. Missing figures are imputed based on yearly movements shown by reporting firms. Imputation generally is limited to a maximum of 5 percent for any one data cell. Figures with imputation rates greater than 5 percent are footnoted.

The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse because the actual quarterly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is not precisely known, but is assumed to be small. The degree of uncertainty regarding the accuracy of the published data increases as the percentage of imputation increases. Figures with imputation rates above 25 percent should be used with caution.

*Survey Error*—Figures for this report include estimates for respondents in the reporting panel whose reports were not received in time for tabulation. Missing figures for companies in the reporting panel are imputed based on the ratios computed for each series from the data submitted by the reporting establishments. The overall imputation rate is limited to 5 percent.

In addition to the errors discussed above, the estimates are subject to various response and operational errors: errors of collection, reporting, coding, transcription, etc. It is believed that most important errors of this type were detected and corrected in the course of the Bureau of the Census review of the data reasonableness and consistency.

*Revisions to Previous Period Data*—Statistics for the quarterly MQ-22T may be revised due to the receipt of corrected data from respondents reporting on MC-22T supplement as well as other corrections. Figures which have been revised by more than 5 percent from previously published figures are indicated by footnotes.

## EXPLANATION OF TERMS

*Woolen and Worsted Fabrics*—Wholly or chiefly by weight of wool, reprocessed wool, or reused wool. Apparel fabrics include all fabrics that may be labeled as being made entirely of wool reprocessed wool, and reused wool under the Wool Products Labeling Act. This includes blends of wool of the sheep with, and fabrics entirely of mohair, cashmere, camel hair, alpaca, llama, and vicuna.

*Cotton Fabrics*—Wholly or chiefly by weight of cotton.

*Manmade Fiber Fabrics*—Wholly or chiefly by weight of manmade fibers.

*Blends and Mixtures*—Fabrics made from more than one fiber are classified in the same way as other fabrics, i.e., according to whether the fabric is chiefly cotton, wool, or manmade fiber. As examples, a fabric which is 55 percent cotton and 45 percent rayon is classified in the cotton section; a fabric which is 40 percent cotton, 30 percent rayon, and 30 percent acetate is classified in the manmade fibers section.

Blends and mixtures which are by weight 50 percent man-made fiber and 50 percent natural fiber are, for purposes of continuity, classified in the manmade category.

Fabrics which are 95 percent or more of one fiber are not considered blends. Such fabrics are included in the 100 percent classification for that fiber.

*Production*—Represents total production of broadwoven gray fabrics by all known weaving mills included in the scope of this survey, regardless of their primary activity.

## HISTORICAL NOTE

Data on the average weight and width of gray broadwoven fabrics were collected as part of the regular census of manu-



factures until the 1958 census. Since that time, these data have been collected as part of the Current Industrial Reports program for the first quarter of each census year. Historical data may be obtained from the census of manufactures volumes for years prior to 1958 and from Current Industrial Reports (called Facts for Industry before 1959) since 1958, available at your local Federal Depository Library. A list of these libraries may be obtained from the Bureau of the Census regional offices:

Office	Telephone
Atlanta, Georgia	(404) 881-2271
Boston, Massachusetts	(617) 223-2327
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Chicago, Illinois	(312) 353-6251
Dallas, Texas	(214) 767-0625
Denver, Colorado	(303) 234-3924
Detroit, Michigan	(313) 226-7742
Kansas City, Kansas	(816) 374-4601
Los Angeles, California	(213) 824-7317
New York, New York	(212) 264-3860
Philadelphia, Pennsylvania	(215) 597-4920
Seattle, Washington	(206) 442-7080

## RELATED REPORTS

The Bureau of the Census also publishes the following related reports:

Series	Frequency	Title
<i>Current Industrial Report</i>		
M22A	Monthly	<i>Finished Fabrics (Production, Inventories, and Unfilled Orders)</i>
M22D	Monthly	<i>Consumption of the Woolen System and Worsted Combing</i>
M22P	Monthly	<i>Consumption on the Cotton System and Stocks</i>
MQ-22Q	Quarterly	<i>Carpet and Rugs</i>
MQ-22T	Quarterly	<i>Broadwoven Fabrics (Gray)</i>
MQ-23X	Quarterly	<i>Sheets, Pillowcases, and Towels</i>
MA-22F.1	Annually	<i>Textured Yarn Production</i>
MA-22F.2	Annually	<i>Spun Yarn Production</i>
MA-22G	Annually	<i>Narrow Fabrics</i>
MA-22K	Annually	<i>Knit Fabric Production</i>
MA-22M	Biennially	<i>Stocks of Wool and Related Fibers</i>

Series	Frequency	Title
MA-23D	Annually	<i>Gloves and Mittens</i>
MA-23E	Annually	<i>Men's and Boys' Outerwear</i>
MA-23F	Annually	<i>Women's and Children's Outerwear</i>
MA-23G	Annually	<i>Underwear and Nightwear</i>
MA-23J	Annually	<i>Brassieres, Girdles, and Allied Garments</i>

## Other Industry Reports

M3-1	Monthly	<i>Manufacturers' Shipments, Inventories, and Orders</i>
(AS)	Annually	<i>Annual Survey of Manufactures (ASM)</i>
(MC)	Quinquennially	<i>Census of Manufactures</i>

## Foreign Trade Reports

FT-410	Monthly	<i>U.S. Exports—Schedule E—Commodity by Country</i>
FT-135	Monthly	<i>U.S. General Imports—Schedule A—Commodity by Country</i>

## CONTACTS FOR DATA USERS

Subject Area	Contact	Phone Number
Current Industrial Report MC-22T	Kay Reardon	(301) 763-7807
Foreign Trade publications	Juanita Noone	(301) 763-5140
Census/ASM	Charles Lee	(301) 763-5152
To order a Census publications	Customer Services (DUSD)	(301) 763-4100
Office of Textile	James Bennett	(202) 377-4058

## ACKNOWLEDGMENTS

This report was prepared in the Industry Division, Bureau of the Census, under the direction of Carole Ambler, Chief, Current Nondurables Branch, and Judy Dodds, Chief, Textile and Apparel Section. Kay Reardon was directly responsible for the review of the data and preparation of the report. Roger H. Bugenhagen, Chief of the Division, and Thomas L. Mesenbourg, Assistant Chief for Current Industrial Reports, provided overall direction and coordination to this project.











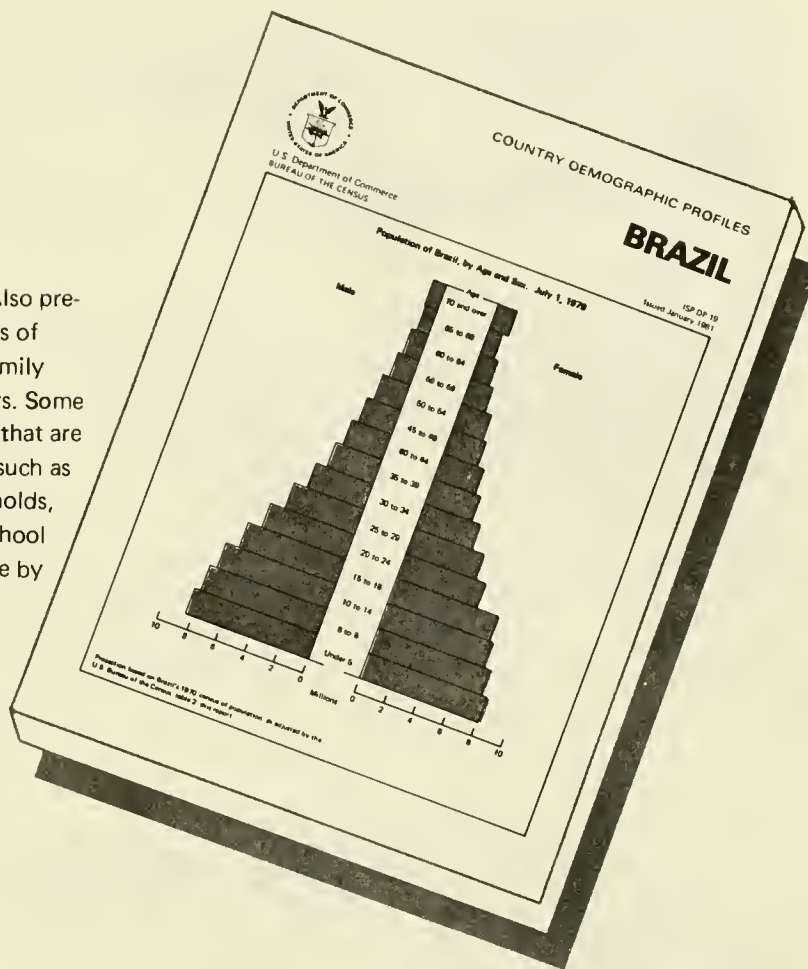
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gration can be inferred. Also presented are several measures of fertility, mortality, and family planning for available years. Some related items are included that are not strictly demographic, such as number and size of households, educational attainment, school enrollment, and labor force by industry and occupation.

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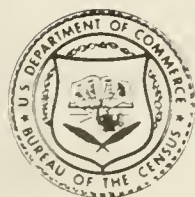
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# Average Weights and Width of Broadwoven Fabrics (Gray)

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QUARTERS 1982-1987

U.S. Department of Commerce  
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MC-22T (Supplement)  
Issued February 1988

## SUMMARY OF FINDINGS

During the period from 1982 to 1987, the average width of cotton broadwoven fabric increased 21 percent. In 1982, the average linear yard of cotton broadwoven fabric included 1.26 square yards of material. This ratio increased to 1.53 during the first quarter of 1987. For manmade fiber broadwoven fabric, the ratio of square

yards per linear yards increased 20 percent from 1982 to 1987. The averages for first quarters 1982 and 1987 were 1.64 and 1.96, respectively. The ratio of square yards per linear yard for woolen and worsted fabric changed from 1.7 in 1982 to 1.58 in 1987.

A description of the survey methodology and related information appears on page 8.

TABLE 1. SUMMARY OF PRODUCTION OF COTTON AND MANMADE FIBER BROADWOVEN GRAY FABRICS:  
FIRST QUARTERS 1987, 1982, 1977, 1972, AND 1968

Product description	1987	1982	1977	1972	1968
<b>Cotton broadwoven goods:</b>					
Linear yards.....	759,899	778,109	1,206,517	1,515,784	2,034,293
Square yards.....	1,162,823	982,998	1,514,309	1,938,082	2,640,995
Pounds.....	451,658	366,832	521,802	665,557	780,188
Square yards per linear yard.....	1.53	1.26	1.25	1.28	1.30
Linear yards per pound.....	1.68	2.12	2.31	2.28	2.61
Square yards per pound.....	2.57	2.68	2.89	2.91	3.39
<b>Manmade fiber and silk broadwoven fabrics:</b>					
Linear yards.....	1,381,742	1,430,553	1,553,822	1,341,459	1,284,746
Square yards.....	2,704,065	2,352,342	2,433,522	2,021,883	1,800,884
Pounds.....	691,510	607,905	697,073	555,350	498,940
Square yards per linear yard.....	1.96	1.64	1.57	1.51	1.40
Linear yards per pound.....	2.00	2.35	2.29	2.42	2.57
Square yards per pound.....	3.91	3.87	3.58	3.64	3.61



Table 2. SUMMARY OF PRODUCTION OF COTTON BROADWOVEN GRAY FABRICS: FIRST QUARTER 1987

Product code	Product description	1,000 square yards	1,000 linear yards	1,000 pounds	Ratios		Coverage ratio (percent)
					Square yards per linear yards	Square yards per pound	
	Chiefly cotton fabrics mixed mainly or solely with manmade fibers.....	1,162,823	759,899	451,658	1.53	2.57	91
	Plain weaves.....	654,703	378,166	111,790	1.73	5.86	91
2211B B0	Tobacco, cheese, and bandage cloth.....	306,724	174,787	15,895	1.75	19.30	86
2211B 20	Print cloth.....	116,593	78,587	24,398	1.48	4.78	99
2211B 10	Poplin and broadcloth.....	41,447	23,819	12,447	1.74	3.33	95
2211B 40	Lawns, voiles, and batistes.....	(D)	(D)	(D)	(D)	(D)	(D)
2211B 70	Duck, including tape warp duck.....	17,214	10,157	10,863	1.69	1.58	80
2211B 44	Bedsheeting.....	75,561	29,543	18,325	2.56	4.12	92
2211B 60	All other sheeting, including osnaburgs.....	82,399	52,564	27,042	1.57	3.05	96
2211B	Yarn dyed plain weaves.....	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
	All other weaves.....	374,216	254,129	235,373	1.47	1.59	92
2211C 21	Canton flannels.....	(1)	(1)	(1)	(1)	(1)	(1)
2211C 10	Denim.....	206,548	141,495	155,185	1.46	1.33	92
2211C 30	All other twill weaves, except yarn dyed.....	62,233	41,007	28,848	1.52	2.16	89
2211C XX	Yarn dyed twill weaves.....	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
2211D B0	Sateens.....	8,963	5,190	4,277	1.73	2.10	84
2211D 11	Oxfords.....	12,227	6,539	3,549	1.87	3.45	100
2211D 31	Birdseye diaper cloth.....	(D)	(D)	(D)	(D)	(D)	(D)
2211D 40	Table damask.....	(D)	(D)	(D)	(D)	(D)	(D)
2211D 51	Jacquard and dobby shirting fabrics.....	(D)	(D)	(D)	(D)	(D)	(D)
2211D 60	All other weaves.....	31,300	18,886	13,365	1.66	2.34	90
2211D XX	All other weaves, yarn dyed.....	(D)	(NA)	(NA)	(NA)	(NA)	(NA)
	Pile fabrics, including yarn dyed.....	133,904	127,604	104,495	1.05	1.28	90
2211E B0	Corduroy.....	29,014	15,086	14,998	1.92	1.93	94
2211E 20	Velvets, plushes, and other pile fabrics.....	1,735	1,614	1,743	1.07	1.00	88
2211E 31	Terry toweling and terry cloth.....	103,155	110,904	87,754	.93	1.18	89
2211F 01	Chiefly cotton fabrics mixed mainly or solely with other than manmade fibers, i.e., ramie, etc.....	(D)	(D)	(D)	(D)	(D)	(D)

(D) Data withheld to avoid disclosing figures for individual companies. (NA) Not available. Linear yard and pound data for yarn dyed fabric were not collected separately, but are included in the total based on the data reported for their type of fabric by construction.

<sup>1</sup>Included with product code 2211C 30 to avoid disclosing figures for individual companies.

Table 3. SUMMARY OF PRODUCTION AND LOOM ASSIGNMENTS OF MANMADE FIBER AND SILK BROADWOVEN GRAY FABRICS: FIRST QUARTER 1987

Product code	Product description	1,000 square yards	1,000 linear yards	1,000 pounds	Ratios		Coverage ratio (percent)
					Square yards per linear yards	Square yards per pound	
	Manmade fiber and silk gray broadwoven fabrics.....	2,704,065	1,381,742	691,510	1.96	3.91	89
2221B 00	85 percent or more filament rayon and/or acetate fabrics.....	135,609	104,702	33,809	1.30	4.01	86
2221C 00	85 percent or more filament fabrics, except rayon and/or acetate..	1,082,506	452,605	198,279	2.39	5.46	86
	85 percent or more spun yarn fabrics, except wool blends.....	1,143,606	615,214	333,251	1.86	3.43	91
2221D 00	Plain weave, except pile.....	926,596	490,047	241,188	1.89	3.84	91
2221E 00	Twill weave, except pile.....	143,752	77,286	59,648	1.86	2.41	91
2221F 00	All other weaves, except pile.....	73,258	47,881	32,415	1.53	2.26	91
2221G 00	Spun/filament yarn combinations.....	(D)	(D)	(D)	(D)	(D)	(D)
2221H 00	Pile fabrics.....	13,496	8,794	13,323	1.53	1.01	91
2221J 00	All other chiefly manmade fiber fabrics, including chiefly manmade fiber blends with wool.....	(D)	(D)	(D)	(D)	(D)	(D)
2221F 00	Silk fabrics.....	1,474	1,675	776	.88	1.90	81

(D) Data withheld to avoid disclosing figures for individual companies.



Table 4A. PRODUCTION OF 85 PERCENT OR MORE SPUN YARN FABRICS AND BLENDS, CHIEFLY COTTON OR MANMADE FIBERS,  
EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS  
AND PILE FABRICS (EXCLUDES YARD DYED FABRICS): FIRST QUARTER 1987

Product code	Product description	1,000 square yards	1,000 linear yards	1,000 pounds	Ratios		Coverage ratio (percent)
					Square yards per linear yards	Square yards per pound	
	85% or more spun yarn fabrics.....	1,851,108	1,042,499	453,409	1.78	4.08	91
	Tobacco, cheese, and bandage cloth.....	356,539	197,747	20,235	1.80	17.62	88
2211B 01	85 percent or more cotton.....	306,724	174,787	15,895	1.75	19.30	86
2211B 03	All other chiefly cotton blends.....						
2221B 01	85 percent or more spun polyester.....						
2221B 03	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)
2221B 07	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)	(D)	(D)
	Print cloth.....	360,416	239,636	71,611	1.50	5.03	99
2211B 11	85 percent or more cotton.....	116,593	78,587	24,398	1.48	4.78	99
2211B 13	All other chiefly cotton blends.....						
2221B 11	85 percent or more spun polyester.....						
2221B 13	Chiefly spun polyester mixed with cotton.....	4,689	2,490	655	1.88	7.16	85
2221B 15	Chiefly spun polyester mixed with rayon.....	170,574	105,761	31,123	1.61	5.48	100
2221B 17	All other fabrics, 85 percent or more spun yarn.....	56,975	44,697	12,265	1.27	4.65	100
	Poplin and broadcloth.....	11,585	8,101	3,170	1.43	3.65	82
	More than 50 percent cotton.....	264,937	151,409	67,125	1.75	3.95	97
	Weighing 5.9 ounces or less per square yard.....	41,447	23,819	12,447	1.74	3.33	95
2211B 21	Carded.....	24,330	14,085	5,667	1.73	4.29	92
2211B 25	Combed.....	14,358	8,268	3,421	1.74	4.20	86
	Weighing more than 5.9 ounces per square yard.....	9,972	5,817	2,246	1.71	4.44	100
2211B 31	Carded.....	17,117	9,734	6,780	1.76	2.52	100
2211B 33	Combed.....	6,377	3,800	2,551	1.68	2.50	100
2221B 21	85 percent or more spun polyester.....	10,740	5,934	4,229	1.81	2.54	100
	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)
2221B 23	Weighing 5.0 ounces or less per square yard.....	213,221	121,879	50,897	1.75	4.19	98
2221B 25	Carded.....	179,005	104,336	39,136	1.72	4.57	98
	Combed.....	125,522	74,018	27,318	1.70	4.59	97
	Weighing more than 5.0 ounces per square yard.....	53,483	30,318	11,818	1.76	4.53	100
2221B 27	Carded.....	34,216	17,543	11,761	1.95	2.91	100
2221B 31	Combed.....	34,216	17,543	11,761	1.95	2.91	100
2221B 33	All other fabrics, 85 percent or more spun yarn.....						
	Lawns, voiles, and batistes.....	(D)	(D)	(D)	(D)	(D)	(D)
2211B 41	More than 50 percent cotton.....	(D)	(D)	(D)	(D)	(D)	(D)
2221B 41	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)
2221B 42	All other fabrics, 85 percent or more spun yarn.....	-	-	-	-	-	-
	Duck, including tape warp duck.....	31,160	18,329	18,578	1.70	1.68	81
2211B 71	Single warp.....	20,954	11,675	9,840	1.79	2.13	81
2221B 87	More than 50 percent cotton.....	10,205	5,546	4,660	1.84	2.19	78
2221B 89	85 percent or more spun polyester.....	(D)	(D)	(D)	(D)	(D)	(D)
2221B 91	Chiefly spun polyester mixed with cotton.....	2,719	1,721	1,167	1.58	2.33	75
	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)	(D)	(D)
2211B 73	Plied warp.....	10,206	6,654	8,738	1.53	1.17	82
2221B 93	More than 50 percent cotton.....	7,009	4,611	6,203	1.52	1.13	84
2221B 95	85 percent or more spun polyester.....	1,201	858	953	1.40	1.26	82
2221B 97	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)
	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)	(D)	(D)
	Bedsheeting.....	352,713	138,977	86,524	2.54	4.08	88
2211B 45	More than 50 percent cotton.....	75,561	29,543	18,325	2.56	4.12	92
2221B 43	Chiefly spun polyester mixed with cotton.....	277,152	109,434	68,199	2.53	4.06	86
2221B 45	Carded.....	59,283	25,142	12,994	2.36	4.56	85
2221B 47	Combed.....	217,869	84,292	55,205	2.58	3.95	86
	All other fabrics, 85 percent or more spun yarn.....	-	-	-	-	-	-
	All other sheeting, including osnaburgs <sup>1</sup> .....	156,668	93,534	55,527	1.67	2.82	95
2211B 61	More than 50 percent cotton.....	82,399	52,564	27,042	1.57	3.05	96
	Weighing 5.9 ounces or less per square yard.....	48,152	28,821	14,294	1.67	3.37	99
2211B 63	Blanketing.....	34,247	23,743	12,748	1.44	2.69	91
2211B 65	All other fabric <sup>1</sup> .....	14,404	6,711	7,146	2.15	2.02	86
	85 percent or more spun polyester.....	19,843	17,032	5,602	1.17	3.54	95
2221B 63	Blanketing.....	11,708	5,446	5,181	2.15	2.26	91
2221B 65	All other fabric <sup>1</sup> .....	8,772	4,321	4,430	2.03	1.98	88
	Chiefly spun polyester mixed with cotton.....	2,936	1,125	751	2.61	3.91	100
2221B 73	Weighing 5.0 ounces or less per square yard.....	35,544	20,278	7,242	1.75	4.91	99
2221B 75	Weighing more than 5.0 ounces per square yard.....	12,752	6,630	2,914	1.92	4.38	99
	Weighing more than 5.0 ounces per square yard.....	22,792	13,648	4,328	1.67	5.27	99

See footnotes at end of table.



Table 4A. PRODUCTION OF 85 PERCENT OR MORE SPUN YARN FABRICS AND BLENDS, CHIEFLY COTTON OR MANMADE FIBERS,  
EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS  
AND PILE FABRICS (EXCLUDES YARD DYED FABRICS): FIRST QUARTER 1987--Continued

Product code	Product description	1,000 square yards	1,000 linear yards	1,000 pounds	Ratios		Coverage ratio (percent)
					Square yards per linear yards	Square yards per pound	
	All other sheeting--Continued						
22218 81	Chiefly spun acrylic.....	(D)	(D)	(D)	(D)	(D)	(D)
22218 81	Blanketing.....	11,500	5,838	6,970	1.97	1.65	91
22218 83	All other fabric.....	(D)	(D)	(D)	(D)	(D)	(D)
22218 85	All other fabrics, 85 percent or more spun yarn <sup>1</sup> .....	(D)	(D)	(D)	(D)	(D)	(D)
2211C 21	Canton flannels.....	(2)	(2)	(2)	(2)	(2)	(2)
	All other twill weaves.....	184,924	107,006	79,821	1.73	2.32	91
	More than 50 percent cotton.....	62,233	41,007	28,848	1.52	2.16	89
2211C 31	Weighing 5.9 ounces or less per square yards.....	11,341	7,001	3,985	1.62	2.95	86
2211C 33	Weighing more than 5.9 ounces per square yard.....	50,892	34,006	24,863	1.50	2.05	90
2221C 21	85 percent or more spun polyester.....	5,530	1,968	1,369	2.81	4.04	81
	Chiefly spun polyester mixed with cotton.....	101,391	54,050	43,911	1.88	2.31	93
2221C 23	Weighing 5.0 ounces or less per square yard.....	6,737	3,702	2,029	1.82	3.32	100
2221C 25	Weighing more than 5.0 ounces per square yard.....	94,654	50,348	41,882	1.88	2.26	92
2221C 27	All other fabrics, 85 percent or more spun yarn.....	15,770	9,981	5,693	1.58	2.77	90
	Sateens.....	21,413	13,444	8,750	1.59	2.45	88
	More than 50 percent cotton.....	8,963	5,190	4,277	1.73	2.10	84
2211D 01	Weighing 5.9 ounces or less per square yards.....	8,963	5,190	4,277	1.73	2.10	84
2211C 03	Weighing more than 5.9 ounces per square yard.....	5,552	3,207	2,362	1.73	2.35	87
	Chiefly spun polyester mixed with cotton.....	5,552	3,207	2,362	1.73	2.35	87
2221D 01	Weighing 5.0 ounces or less per square yard.....	5,552	3,207	2,362	1.73	2.35	87
2221D 03	Weighing more than 5.0 ounces per square yard.....	6,898	5,047	2,111	1.37	3.27	95
2221D 07	All other fabrics, 85 percent or more spun yarn.....						
	Oxfords.....	21,810	11,205	7,509	1.95	2.90	97
2211D 11	More than 50 percent cotton.....	12,227	6,539	3,544	1.87	3.45	100
2221D 11	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)
2221D 17	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)	(D)	(D)
2211D 31	Birdseye diaper cloth.....	(D)	(D)	(D)	(D)	(D)	(D)
	Table damask.....	4,811	2,676	2,290	1.80	2.10	100
2211D 42	More than 50 percent cotton.....	(D)	(D)	(D)	(D)	(D)	(D)
2211D 32	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)
2221D 37	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)	(D)	(D)
	Jacquard and dobby shirting fabrics.....	5,078	4,061	1,958	1.25	2.59	100
2211D 51	More than 50 percent cotton.....	(D)	(D)	(D)	(D)	(D)	(D)
2221D 41	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)
2221D 43	All other fabric, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)	(D)	(D)
	All other weaves.....	61,624	40,466	28,500	1.52	2.16	91
	More than 50 percent cotton.....	31,300	18,886	13,365	1.66	2.34	90
2211D 61	Weighing 5.9 ounces or less per square yard.....	4,167	2,608	1,255	1.60	3.32	86
2211D 63	Weighing more than 5.9 ounces per square yard.....	27,133	16,278	12,110	1.67	2.24	91
2221D 51	85 percent or more spun polyester.....	4,625	2,709	2,093	1.71	2.21	100
	Chiefly spun polyester mixed with cotton.....	10,823	6,686	2,999	1.62	3.61	92
2221D 53	Weighing 5.0 ounces or less per square yard.....	8,429	5,374	1,834	1.57	4.60	94
2221D 55	Weighing more than 5.0 ounces per square yard.....	2,394	1,312	1,165	1.82	2.05	85
2221D 57	All other fabrics, 85 percent or more spun yarn.....	14,876	12,185	10,043	1.22	1.48	88

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Includes osnaburgs to avoid disclosing figures for individual companies. See table 4B for separate data on osnaburgs. The inclusion of osnaburgs causes the resulting ounces per square yard ratio to fall outside the limits defined for sheeting.

<sup>2</sup>Included with product code 2211C 33 to avoid disclosing figures for individual companies.

Table 4B. PRODUCTION OF OSNABURGS

Product description	1,000 square yards	1,000 linear yards	1,000 pounds	Ratios		Coverage ratio (percent)
				Square yards per linear yards	Square yards per pound	
Osnaburgs.....	43,057	30,426	9,929	1.42	4.34	100
Polyester/cotton.....	21,931	13,207	4,005	1.66	5.48	100
Other.....	21,126	17,219	5,924	1.23	3.57	100



Table 5. PRODUCTION OF PILE FABRICS (INCLUDES YARN DYED FABRIC): FIRST QUARTER 1987

Product code	Product description	1,000 square yards	1,000 linear yards	1,000 pounds	Ratios		Coverage ratio (percent)
					Square yards per linear yards	Square yards per pound	
	Pile fabrics.....	147,400	136,398	117,818	1.08	1.25	90
	Corduroy.....	31,892	16,616	16,478	1.92	1.94	95
	More than 50 percent cotton.....	29,014	15,086	14,998	1.92	1.93	94
2211E 01	Finewales and pinwales.....	14,013	7,250	6,916	1.93	2.03	93
2211E 03	Midwales.....	5,707	2,972	3,052	1.92	1.87	99
2211E 05	Thicksets.....	(D)	(D)	(D)	(D)	(D)	(D)
2211E 07	Widewales and other.....	(D)	(D)	(D)	(D)	(D)	(D)
2221E 01	Chiefly manmade fiber.....	2,878	1,530	1,480	1.88	1.94	100
	Velvets, plushes, and other pile fabrics.....	12,353	8,878	13,586	1.39	.91	90
2211E 21	More than 50 percent cotton.....	1,735	1,614	1,743	1.07	1.00	88
2221E 21	Chiefly manmade fiber.....	10,618	7,264	11,843	1.46	.90	92
2211E 31	Terry toweling and terry cloth.....	103,155	110,904	87,754	.93	1.18	89

(D) Data withheld to avoid disclosing figures for individual companies.

Table 6. PRODUCTION OF SPUN/FILAMENT YARN COMBINATION FABRICS, EXCEPT DENIM (INCLUDES YARN DYED FABRIC): FIRST QUARTER 1987

Product code	Product description	1,000 square yards	1,000 linear yards	1,000 pounds	Ratios		Coverage ratio (percent)
					Square yards per linear yards	Square yards per pound	
	Spun/filament combinations.....	309,419	188,370	105,526	1.64	2.93	91
22216 05	Print cloth.....	52,453	34,833	10,388	1.51	5.05	99
22216 18	Poplin and broadcloth.....	46,772	24,625	9,267	1.90	5.05	99
22216 32	Bedsheeting.....	61,889	26,849	13,045	2.31	4.74	94
22216 36	All other sheeting, including osnaburgs.....	4,986	2,297	981	2.17	5.08	100
22216 67	Oxfords.....	3,761	1,823	1,238	2.06	3.04	84
	Twill weaves, except denim.....	30,655	16,191	8,207	1.89	3.74	93
22216 52	Weighing 5.0 ounces or less per square yard.....	16,433	9,510	3,426	1.73	4.80	98
22216 56	Weighing more than 5.0 ounces per yard.....	14,222	6,681	4,781	2.13	2.97	87
22216 62	Sateens.....	7,332	4,372	2,948	1.68	2.49	78
22216 90	All other.....	101,571	77,380	59,452	1.31	1.71	81



Table 7. PRODUCTION OF DENIM FABRICS, 85 PERCENT OR MORE SPUN YARN, CHIEFLY COTTON  
AND/OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER  
VEGETABLE FIBERS: FIRST QUARTER 1987

Product code	Product description	1,000 square yards	1,000 linear yards	1,000 pounds	Ratios		Coverage ratio (percent)
					Square yards per linear yards	Square yards per pound	
	Blue denim.....	192,718	132,420	145,583	1.46	1.32	93
	More than 50 percent cotton.....	185,875	128,198	140,969	1.45	1.32	93
2211C 01	Weighing 10.7 ounces or less per square yard.....	36,479	21,844	14,362	1.67	2.54	94
2211C 03	Weighing more than 10.7 ounces per square yard.....	149,396	106,354	126,607	1.40	1.18	93
2221C 03	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)
22216 51	Spun/filament yarn combinations.....	(D)	(D)	(D)	(D)	(D)	(D)
	All other denim.....	37,689	23,077	21,721	1.63	1.74	90
	More than 50 percent cotton.....	20,673	13,297	14,216	1.55	1.45	88
2211C 11	Weighing 10.7 ounces or less per square yard.....	5,128	2,864	2,166	1.79	2.37	100
2211C 13	Weighing more than 10.7 ounces per square yard.....	15,545	10,433	12,050	1.49	1.29	84
2221C 13	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)
22216 49	Spun/filament yarn combinations.....	(D)	(D)	(D)	(D)	(D)	(D)

(D) Data withheld to avoid disclosing figures for individual companies.

Table 8. PRODUCTION OF 85 PERCENT OR MORE FILAMENT YARN FABRICS: FIRST QUARTER 1987

Product code	Product description	1,000 square yards	1,000 linear yards	1,000 pounds	Ratios		Coverage ratio (percent)
					Square yards per linear yards	Square yards per pound	
	85 percent or more filament yarn fabrics.....	1,218,115	557,307	232,088	2.19	5.25	86
	High tenacity yarn fabrics.....	25,965	14,763	7,419	1.76	3.50	94
22211 01	100 percent and chiefly rayon.....	4,707	2,690	1,791	1.75	2.63	92
22212 01	100 percent and chiefly nylon.....	10,359	7,014	3,238	1.48	3.20	97
22212 03	100 percent and chiefly polyester.....	10,899	5,059	2,390	2.15	4.56	93
	85 percent or more acetate or triacetate filament yarn fabrics....	99,007	81,529	22,371	1.21	4.43	88
	Weighing not more than 5 ounces per square yard.....	87,993	72,630	18,401	1.21	4.78	87
22211 21	Plain weave.....	50,481	45,491	10,376	1.11	4.87	88
22211 23	Other weaves.....	37,512	27,139	8,025	1.38	4.67	86
	Weighing more than 5 ounces per square yard.....	11,014	8,899	3,970	1.24	2.77	93
22211 25	Plain weave.....	(D)	(D)	(D)	(D)	(D)	(D)
22211 27	Other weaves.....	(D)	(D)	(D)	(D)	(D)	(D)
	85 percent or more rayon filament yarn fabrics.....	(1)	(1)	(1)	(1)	(1)	(1)
22211 41	Weighing not more than 5 ounces per square yard.....	(1)	(1)	(1)	(1)	(1)	(1)
22211 43	Weighing more than 5 ounces per square yard.....	(1)	(1)	(1)	(1)	(1)	(1)
	Other chiefly rayon and/or acetate filament yarn fabrics.....	31,895	20,483	9,647	1.56	3.31	80
22211 51	Weighing not more than 5 ounces per square yard.....	2,511	1,461	444	1.72	5.66	99
22211 53	Weighing more than 5 ounces per square yard.....	29,384	19,022	9,203	1.54	3.19	78
	85 percent or more nylon filament yarn fabrics.....	94,707	55,111	19,280	1.72	4.91	92
22212 11	Typewriter and other impression fabrics.....	26,274	14,593	3,615	1.80	7.27	100
	Other 85 percent or more nylon filament yarn fabrics.....	68,433	40,518	15,665	1.69	4.37	89
	Weighing not more than 5 ounces per square yard.....	59,631	32,919	10,127	1.81	5.89	88
22212 13	Flat, non-textured.....	54,689	29,866	9,001	1.83	6.08	88
22212 15	All other.....	4,942	3,053	1,126	1.62	4.39	91
	Weighing more than 5 ounces per square yard.....	8,802	7,599	5,538	1.16	1.59	97
22212 23	Flat, non-textured.....	4,531	4,823	2,821	.94	1.61	93
22212 25	All other.....	4,271	2,776	2,717	1.54	1.57	100
	Other chiefly nylon filament fabrics.....	2,024	1,569	712	1.29	2.84	79
22212 31	Weighing not more than 5 ounces per square yard.....	978	653	291	1.50	3.36	77
22212 33	Weighing more than 5 ounces per square yard.....	1,046	916	421	1.14	2.48	80
	85 percent or more polyester filament yarn fabrics.....	194,743	121,154	55,316	1.61	3.52	83
	Textured.....	151,843	94,547	46,257	1.61	3.28	84
22212 44	Weighing not more than 5 ounces per square yard <sup>2</sup> .....	57,004	37,487	10,888	1.52	5.24	91
22212 43	Flat.....	41,360	26,229	8,200	1.58	5.04	93
22212 45	Other.....	15,644	11,258	2,688	1.39	5.92	86
22212 50	Weighing more than 5 ounces per square yard <sup>2</sup> .....	94,839	57,060	35,369	1.66	2.68	79
	Non-textured.....	42,900	26,607	9,059	1.61	4.74	82
22212 62	Weighing not more than 5 ounces per square yard <sup>2</sup> .....	29,171	19,270	4,018	1.51	7.26	78
22212 66	Weighing more than 5 ounces per square yard <sup>2</sup> .....	13,729	7,337	5,041	1.87	2.72	92
22212 73	Other chiefly polyester filament fabrics.....	3,391	1,976	365	1.72	9.29	89
	Glass fiber fabrics.....	101,962	69,291	30,470	1.47	3.35	99
22212 82	Woven roving and screening.....	101,962	69,291	30,470	1.47	3.35	99
22212 89	All other glass fiber fabrics.....						
	All other 85 percent or more filament yarn fabrics, including saran and olefin and fabrics obtained from strip, except rayon and/or acetate.....	664,421	191,431	86,508	3.47	7.68	83
22212 91	Carpet backing.....	605,335	154,252	72,020	3.99	8.41	83
22212 93	All other.....	59,086	37,179	14,488	1.59	4.08	84

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>85 percent or more rayon filament yarn fabrics are included with 85 percent or more acetate or triacetate filament yarn fabric to avoid disclosing figures for individual companies.

<sup>2</sup>Classified on a finished weight basis.



Table 9. PRODUCTION OF UPHOLSTERY FABRICS: FIRST QUARTER 1987

Product code	Product description	1,000 square yards	1,000 linear yards	1,000 pounds	Ratios		Coverage ratio (percent)
					Square yards per linear yards	Square yards per pound	
	Upholstery fabrics.....	72,314	50,284	51,953	1.44	1.39	88
	85 percent or more spun yarn.....	59,112	40,910	42,049	1.44	1.41	90
	Pile woven.....	13,899	9,343	12,948	1.49	1.07	92
2211E 41	All cotton and chiefly cotton.....	3,066	2,038	2,264	1.50	1.35	78
2221E 41	All manmade and chiefly manmade.....	10,833	7,305	10,684	1.48	1.01	96
	Flat woven.....	45,213	31,567	29,101	1.43	1.55	89
2211X 01	All cotton and chiefly cotton.....	5,151	3,444	2,850	1.50	1.81	94
	All manmade and chiefly manmade.....	40,062	28,123	26,251	1.42	1.53	88
2221X 01	Olefin.....	1,736	833	1,319	2.08	1.32	95
2221X 03	All other flat woven manmade fiber fabrics.....	38,326	27,290	24,932	1.40	1.54	88
	85 percent or more filament yarn.....	13,202	9,374	9,904	1.41	1.33	79
22212 77	All polyester and chiefly polyester.....	2,541	1,505	1,227	1.69	2.07	84
22212 78	All nylon and chiefly nylon.....	(D)	(D)	(D)	(D)	(D)	(D)
22212 98	All olefin and chiefly olefin.....	7,650	5,801	6,036	1.32	1.27	77
22212 99	All other filament fiber fabrics.....	(D)	(D)	(D)	(D)	(D)	(D)

Note: These data are included in the data shown in tables 4 and 6.

(D) Data withheld to avoid disclosing figures for individual companies.

Table 10. PRODUCTION OF WOOLEN AND WORSTED FABRICS, INCLUDING CHIEFLY MANMADE/WOOL BLENDS AND CHIEFLY COTTON/WOOL BLENDS: FIRST QUARTER 1987

Product code	Product description	1,000 square yards	1,000 linear yards	1,000 pounds	Ratios		Coverage ratio (percent)
					Square yards per linear yards	Square yards per pound	
	Woolen and worsted fabrics, chiefly wool (except felts) <sup>1</sup> ....	47,978	30,294	24,835	1.58	1.93	82
	Apparel fabrics, including government orders.....	46,264	29,265	23,671	1.58	1.95	82
	Worsted fabrics.....	22,737	12,966	9,604	1.75	2.37	81
22312 01	Weighing not more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)	(D)	(D)
22312 03	Weighing more than 5.9 ounces per square yard, but not more than 8 ounces per square yard.....	(D)	(D)	(D)	(D)	(D)	(D)
22312 05	Weighing more than 8 ounces per square yard, but not more than 10 ounces per square yard.....	2,784	1,853	1,558	1.50	1.79	82
22312 07	Weighing more than 10 ounces per square yard.....	(D)	(D)	(D)	(D)	(D)	(D)
	Woolen fabrics.....	23,527	16,299	14,067	1.44	1.67	83
22312 21	Weighing not more than 9 ounces per square yard.....	(D)	(D)	(D)	(D)	(D)	(D)
22312 23	Weighing more than 9 ounces per square yard.....	(D)	(D)	(D)	(D)	(D)	(D)
	Nonapparel fabrics, including government orders (except felts)....	1,714	1,029	1,164	1.67	1.47	87
22312 62	Blanketing, including thermal.....	484	299	342	1.62	1.42	91
22312 85	All other fabrics.....	1,230	730	822	1.68	1.50	86
	Chiefly manmade/wool blend and chiefly cotton/wool blend fabrics.....	(D)	(D)	(D)	(D)	(D)	(D)
2221F 12	Chiefly spun polyester mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)	(D)	(D)
2221F 21	All other chiefly spun fibers mixed mainly or solely with wool....	(D)	(D)	(D)	(D)	(D)	(D)
22216 92	Chiefly filament polyester mixed mainly or solely with wool or spun polyester/wool blends.....	(D)	(D)	(D)	(D)	(D)	(D)
22216 98	All other chiefly filament yarn mixed mainly or solely with wool..	(D)	(D)	(D)	(D)	(D)	(D)

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup> Includes fabrics 36 percent or more wool or reprocessed wool by weight. 1986 and prior years include fabrics 50 percent or more wool or reprocessed wool by weight.



## DESCRIPTION OF SURVEY

**Scope of Survey.** This survey covers all companies manufacturing broadwoven fabrics (gray) in the United States, except very small firms (generally less than 5 employees) for which 1982 Census of Manufactures data were derived from administrative records of other Government agencies.

**Survey Methodology.** The statistics in this publication were collected by mail on Bureau of the Census annual Form MC22T, Broadwoven Fabrics (Gray)—Average Weight and Width. All manufacturers included in the census quarterly broadwoven fabrics survey (Forms MQ22T and MQ22T(S), except those reporting in tire cord and tire cord fabric, were included in this study of fabric weights and widths. Reports were received from manufacturers accounting for approximately 95 percent of the first quarter 1987 production of cotton, manmade fiber, and woolen and worsted fabrics. Establishments producing only tire cord and tire cord fabrics were excluded from this survey. Based on the reports submitted, ratios of production of linear yards and pounds to square yards were computed for each of the fabrics shown in tables 4 through 10. These ratios were then applied to the actual production data, in square yards, to obtain estimates of the linear yards and pounds of fabric produced. For all fabrics, the coverage ratios indicate the percentage of the total production reported by respondents in this study for 1987. Individual figures for linear yards and pounds are withheld when they are based on reports accounting for less than 50 percent of the total production.

**Reliability of Data.** Survey error may result from several sources: (1) inability to obtain information about all cases in the survey, (2) response errors, (3) definitional difficulties, (4) differences in the interpretation of questions, (5) mistakes in recording or coding the data obtained, and (6) other errors of collection, response, coverage, and estimation for missing data. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

## EXPLANATION OF TERMS

**Woolen and Worsted Fabrics, Chiefly Wool.** Fabrics 36 percent or more by weight of wool, reprocessed wool, or reused wool. Apparel fabrics include all fabrics that may be labeled as being made entirely of wool, reprocessed wool, and reused wool under the Wool Products Labeling Act. This includes blends of wool of sheep with, and fabrics entirely of mohair, cashmere, camel hair, alpaca, llama, and vicuna.

**Cotton Fabrics.** Fabrics wholly or chiefly by weight of cotton.

**Manmade Fiber Fabrics.** Fabrics wholly or chiefly by weight of manmade fibers.

**Blends and Mixtures.** Fabrics made from more than one fiber are classified in the same way as other fabrics, i.e., according to whether the fabric is chiefly cotton, wool, or manmade fiber. As examples, a fabric which is 55 percent cotton and 45 percent rayon is classified as cotton; a fabric which is 40 percent cotton, 30 percent rayon, and 30 percent acetate is classified as manmade. Blends and mixture which are by weight 50 percent natural fiber and 50 percent manmade fiber are, for purposes of continuity, classified in the manmade category.

**Production.** Represents total production of broadwoven gray fabrics by all weaving mills regardless of their primary activity.

**Spun Yarn Fabrics.** Includes all fabrics that contain 85 percent or more spun yarns.

**Filament Yarn Fabrics.** Includes all fabrics that contain 85 percent or more filament yarns.

**Spun/Filament Combinations.** Includes fabrics that are combinations of spun and filament yarn where neither the spun or filament yarns exceed 85 percent.

**Plain Weave Fabrics.** A fabric construction in which each yarn of the weft passes alternately over and under successive yarns of the warp and each yarn of the warp passes alternately over and under successive yarns of the weft.

**Tobacco, Cheese, and Bandage Cloth.** Fabrics of plain weave, weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) consisting of 85 or less warp ends and filling picks per square inch whether or not napped.

**Print Cloth.** Fabrics of plain weave, weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) of average yarn numbers 26-40, consisting of more than 85 singles yarns per square inch, of square construction, whether or not of yarns of different colors (yarn dyed), whether or not napped.

**Poplin and Broadcloth.** Fabrics of plain weave, not of square construction, whether or not napped, but does not include the following types—fabrics weighing not more than 5.9 ounces per square yard, containing 85 or less warp ends and filling picks per square inch, or fabrics weighing more than 5.9 ounces per square yard of average yarn number 15 or lower.



*Lawns, Voiles, and Batistes.* Fabrics of plain weave weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) consisting of more than 85 warp ends and filling picks per square inch, of square construction, of average yarn number 41 or higher, whether or not napped.

*Sheeting.* Fabrics of plain weave, whether or not napped, of the following types:

Fabrics weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), of square construction, containing more than 85 warp end and filling picks per square inch, of average yarn number 40 or lower, but not including print cloth.

Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) but does not include fabrics of which the warp or filling, or both, consists of multiple (folded) or cabled yarns, of average yarn number 15 or lower or yarns, of average yarn number 15 or lower or fabrics of average yarn number 16 or higher number, not of square construction.

*Twill Weave Fabrics.* Fabrics in which the warp and filling yarns are interlaced in such a manner as to produce a diagonal or bias effect on the face of the fabric.

*Blue Denim.* Fabrics of 3 or 4-thread twill, including broken twill, warp faced, the warp yarns of which are dyed blue and the weft yarns of which are unbleached, bleached, dyed grey or colored a lighter shade of blue than that of the warp yarns.

*All Other Denim.* Includes sport denims and all other denim not include above.

*Canton Flannel.* Fabric woven with a four-harness warp face twill with heavy, soft filling yarn, and a medium count warp. A long nap is raised on the back.

#### *All Other Weaves*

*Sateens.* Fabrics woven with a satin weave, whether or not napped, in which the surface of the cloth consists almost entirely of warp or filling floats; that is, in the repeat of a weave pattern, each yarn of one system passes over several yarns of the other system before interlacing.

*Oxfords.* Fabrics weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), whether or not napped, woven as plain weave except that two or more warp ends are woven as one (taped warp). Oxford cloth is not to be classified as a plain weave fabric.

*Duck.* Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), of average yarn number 15 or lower number, whether or not napped, of a plain weave where the warp or filling or both, consists of multiple (folded) or cabled yarns.

*Taped Warp Duck.* Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces (chiefly cotton fabric), of average yarn number 15 or lower number, whether or not napped, of a plain weave except that two or more warp ends are woven as one (tape warp) whether or not containing multiple (folded) or cabled yarns.

*Shirting, Jacquard or Dobby.* Fabrics weighing not more than 5 ounces per square (chiefly manmade fiber) or 5.9 ounces per square yard (chiefly cotton fiber) whether or not napped, woven wholly or in part with jacquard or dobby attachment.

*Table Damask.* Fabrics, whether or not napped, woven wholly or in part with jacquard or dobby attachment characterized by elaborate decorative designs, usually of floral patterns. The designs are reversible and are formed by warp-face satin weave. Table damask is generally all white, although it is sometimes made with colored stripes or in solid pastel shades.

*Ginghams, Plaids, and Checks.* Yarn dyed fabrics composed of two or more colors in the warp and two or more colors in the filling.

*Stripes and Other Yarn Dyed Fabrics.* Yarn dyed fabrics composed of any number of colors in the warp but only one color in the filling.

*High Tenacity Yarn Fabric.* Fabric made from yarns having a tenacity, expressed in centinewtons per tex (cN/tex) greater than 60 cN/tex for multiple (folded) or cabled yarns of nylon or polyester; or 27 cN/tex for multiple (folded), cabled, or singles yarns of viscose rayon.

*Flat Fabrics.* Fabrics containing yarns having less than twelve turns per inch.

## RELATED REPORTS

The Bureau of the Census also publishes the following related reports:

Series	Frequency	Title
<i>Current Industrial Reports</i>		
M22D	Monthly	<i>Consumption on the Woolen System and Worsted Combing</i>
M22P	Monthly	<i>Consumption on the Cotton System and Stocks</i>
MQ22T	Quarterly	<i>Broadwoven Fabrics--Gray</i>
MQ23A	Quarterly	<i>Selected Apparel</i>



Series	Frequency	Title
MQ23X	Quarterly	<i>Sheets, Pillowcases, and Towels</i>
MA22F.1	Annually	<i>Textured Yarn Production</i>
MA22F.2	Annually	<i>Spun Yarn Production</i>
MA22G	Annually	<i>Narrow Fabrics</i>
MA22K	Annually	<i>Knit Fabric Production</i>
MA22M	Biennially	<i>Stocks of Wool and Related Fibers</i>
MA22Q	Annually	<i>Carpet and Rugs</i>
MA22S	Annually	<i>Broadwoven Fabrics Finished</i>
MA23A	Annually	<i>Apparel</i>
MA23D	Annually	<i>Gloves and Mittens</i>

#### *Other Industrial Reports*

M3-1	Monthly	<i>Manufacturers' Shipments, Inventories, and Orders</i>
(AS)	Annually	Annual Survey of Manufactures (ASM)
(MC)	Quinquennially	Census of Manufactures

#### *Foreign Trade Reports*

EM 546	Monthly	<i>U.S. Exports-Schedule B—</i>
FT 446	Annually	<i>Commodity by Country</i>
IM 146	Monthly	U.S. Imports for Consumption
FT 246	Annually	TSUSA—Commodity by Country

## CONTACTS FOR DATA USERS

Subject Area	Contact	Phone Number
Current Industrial Report MC22T	Judy Dodds	(301) 763-7536
Manufacturers' Shipments, Inventories, and Orders	Kathleen Menth	(301) 763-2575
Classification Systems Comparability	James Kristoff (ESD)	(301) 763-1935
Census/ASM	Ted McGrath	(301) 763-5152
To order a Census Bureau publication	Customer Services (DUSD)	(301) 763-4100
Office of Textiles	James Bennett	(202) 377-4058

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The statistics in this publication are based on a survey of manufactures and represent total U.S. production of broadwoven fabrics over 12 inches. Estimates are included

for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information may be found on page 8.

This report is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100.

Table 1. SUMMARY OF PRODUCTION OF BROADWOVEN GRAY FABRICS, BY TYPE OF FABRIC: 1983 TO 1988

(Millions of square yards)

Year	Chiefly cotton fabrics	Manmade fiber fabrics, including silk and manmade/wool blends	Chiefly wool fabric	Tire cord and tire cord fabrics
1988				
Second quarter.....	1,213.1	2,883.3	53.0	124.9
First quarter.....	1,232.6	2,870.9	50.6	128.6
1987				
Fourth quarter.....	1,178.2	2,945.9	40.9	126.8
Third quarter.....	1,219.1	2,787.7	36.0	122.1
Second quarter.....	1,216.9	2,764.0	45.9	121.9
First quarter.....	1,158.0	2,736.7	46.0	124.5
1986				
Fourth quarter.....	1,129.3	2,785.4	30.2	116.0
Third quarter.....	1,095.2	2,561.5	27.8	105.9
Second quarter.....	1,102.6	2,659.8	41.2	108.8
First quarter.....	1,037.0	2,757.5	40.2	112.8
1985				
Fourth quarter.....	955.4	2,696.4	34.0	112.2
Third quarter.....	933.0	2,652.6	24.3	107.9
Second quarter.....	1,001.7	2,685.7	39.5	129.5
First quarter.....	1,030.3	2,761.9	40.6	145.9
1984				
Fourth quarter.....	955.2	2,878.2	36.7	143.0
Third quarter.....	946.6	2,921.5	29.7	135.4
Second quarter.....	1,031.5	3,026.3	44.3	146.3
First quarter.....	1,068.8	3,026.4	48.6	139.9
1983				
Fourth quarter.....	1,040.2	3,142.9	37.0	144.2
Third quarter.....	1,032.4	2,801.4	28.8	136.2
Second quarter.....	1,052.0	2,826.9	41.8	134.3
First quarter.....	1,067.5	2,689.5	36.0	128.0

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Judy Dodds, (301) 763-7536.

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Table 2. SUMMARY OF PRODUCTION AND LOOM ASSIGNMENTS OF BROADWOVEN GRAY FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1988		First quarter 1988		Production, year-to-date (M sq. yards)
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)	
	Cotton and chiefly cotton fabrics mixed mainly or solely with manmade fibers.....	43,765	1,213,115	43,728	1,232,637	2,445,752
2211B 00	Plain weaves.....	23,357	680,374	22,888	675,971	1,356,345
2211C 00	Twill weaves.....	7,833	302,368	8,318	326,423	628,791
2211D 00	All other weaves except pile.....	5,418	114,999	5,346	110,272	225,271
2211E 00	Pile fabrics.....	7,157	115,374	7,176	119,971	235,345
	Chiefly cotton fabrics mixed mainly or solely with other than manmade fibers.....	(D)	(D)	(D)	(D)	(D)
	Manmade fiber and silk gray broadwoven fabrics.....	82,582	2,883,332	79,511	2,870,868	5,754,200
2221B 00	85 percent or more filament rayon and/or acetate fabrics.....	10,083	175,532	9,656	162,905	338,437
2221C 00	85 percent or more filament fabrics, except rayon and/or acetate.....	19,175	1,263,115	18,842	1,289,900	2,553,015
	85 percent or more spun yarn fabrics, except wool blends.....	44,682	1,165,562	43,244	1,173,567	2,339,129
2221D 00	Plain weave, except pile.....	35,514	939,503	34,267	912,803	1,852,306
2221E 00	Twill weave, except pile.....	4,791	144,344	4,663	162,157	306,501
2221F 00	All other weaves, except pile.....	4,377	81,715	4,314	98,607	180,322
2221G 00	Spun/filament yarn combinations.....	(D)	(D)	(D)	(D)	(D)
2221H 10	Pile fabrics.....	(D)	(D)	(D)	(D)	(D)
2221H 29	All other chiefly manmade fiber fabrics, including chiefly manmade fiber blends with wool.....	(D)	(D)	(D)	(D)	(D)
2221H 28	Silk fabrics.....	(D)	(D)	(D)	(D)	(D)
	Woolen and worsted fabrics.....	2,367	52,996	2,345	50,558	103,554

(D) Data withheld to avoid disclosing figures for individual companies.

Table 3. PRODUCTION OF BROADWOVEN FABRIC BY TEXTILE CATEGORY: 1988

(Thousands of square yards)

Product description	Production during quarter		Production year-to-date
	Second quarter 1988	First quarter 1988	
Blue denim.....	175,026	208,911	383,937
All other yarn dyed fabric.....	124,159	136,453	260,612
Plain weave.....	33,137	38,811	71,948
Twill weave.....	40,637	38,311	78,948
All other weaves.....	50,385	59,331	109,716
Cheesecloth and batistes.....	369,452	365,514	734,966
Duck.....	21,735	20,761	42,496
Oxfords.....	14,558	18,887	33,445
Pile fabrics.....	121,996	125,050	247,046
Special weave fabric.....	104,870	94,317	199,187
Other fabrics, chiefly cotton fiber:			
Print cloth.....	116,771	127,068	243,839
Poplin and broadcloth.....	48,796	44,836	93,632
Sheeting.....	183,158	174,472	357,630
Twill.....	91,433	85,097	176,530
Sateens.....	8,215	6,592	14,807
Other fabrics, chiefly manmade fiber:			
Manmade/wool blends.....	(D)	(D)	(D)
85 percent or more filament yarn fabrics:			
Typewriter fabric.....	27,527	28,616	56,143
Other nylon.....	96,990	101,223	198,213
Rayon and acetate.....	175,532	162,905	338,437
Polyester.....	217,820	206,002	423,822
Glass fiber.....	135,281	133,391	268,672
All other.....	785,497	820,668	1,606,165
85 percent or more spun yarn fabrics:			
Print cloth.....	287,973	272,679	560,652
Poplin and broadcloth.....	191,449	183,718	375,167
Sheeting.....	366,107	361,934	728,041
Twill and sateens.....	152,507	169,145	321,652
Spun filament combinations except blue denim:			
Print cloth.....	74,819	60,656	135,475
Poplin and broadcloth.....	40,462	33,384	73,846
Sheeting.....	42,879	46,136	89,015
Twill and sateens.....	39,445	37,057	76,502
Other.....	44,556	43,128	87,684
Wool fabrics.....	52,996	50,558	103,554
Silk fabrics.....	(D)	(D)	(D)

(D) Data withheld to avoid disclosing figures for individual companies.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1988		First quarter 1988	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
2211B 02	Tobacco, cheese, and bandage cloth.....	5,517	360,708	5,497	355,730
2221D 04	More than 50 percent cotton.....	5,028	309,954	5,037	309,031
2221D 04	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221D 08	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2221G 04	Spun-filament combinations.....	(D)	(D)	(D)	(D)
2211B 12	Print cloth.....	<sup>1</sup> 23,601	<sup>1</sup> 479,563	<sup>1</sup> 22,998	<sup>1</sup> 460,403
2221D 14	More than 50 percent cotton.....	7,868	116,771	8,008	127,068
2221D 16	Chiefly spun polyester mixed with cotton.....	8,784	207,849	8,666	189,325
2221D 16	Chiefly spun polyester mixed with rayon.....	<sup>1</sup> 3,663	<sup>1</sup> 54,151	<sup>1</sup> 3,364	<sup>1</sup> 51,407
2221D 18	All other fabrics, 85 percent or more spun yarn.....	<sup>1</sup> 1,230	<sup>1</sup> 25,973	<sup>1</sup> 1,261	<sup>1</sup> 31,947
2221G 07	Spun/filament combinations.....	2,056	74,819	1,699	60,656
2211B 22	Poplin and broadcloth.....	<sup>1</sup> 10,726	<sup>1</sup> 311,601	<sup>1</sup> 10,726	<sup>1</sup> 295,224
2221D 22	More than 50 percent cotton.....	2,262	55,943	1,949	51,656
2211B 26	Weighing 5.9 ounces or less per square yard.....	1,917	40,594	1,561	35,037
2211B 32	Carded.....	1,171	25,350	961	19,699
2211B 32	Combed.....	746	15,244	600	15,338
2211B 32	Weighing more than 5.9 ounces per square yard.....	345	15,349	388	16,619
2211B 36	Carded.....	172	5,468	193	7,003
2211B 36	Combed.....	173	9,881	195	9,616
2221D 24	Chiefly spun polyester mixed with cotton.....	6,654	192,103	7,330	188,690
2221D 26	Weighing 5.0 ounces or less per square yard.....	5,937	164,993	6,568	161,177
2221D 26	Carded.....	4,236	104,556	4,699	102,633
2221D 26	Combed.....	1,701	60,437	1,869	58,544
2221D 28	Weighing more than 5.0 ounces per square yard.....	717	27,110	762	27,513
2221D 32	Carded.....	(D)	(D)	(D)	(D)
2221D 32	Combed.....	(D)	(D)	(D)	(D)
2221D 34	All other fabrics, 85 percent or more spun yarn.....	<sup>1</sup> 856	<sup>1</sup> 23,093	<sup>1</sup> 746	<sup>1</sup> 21,494
2221G 19	Spun/filament combinations.....	954	40,462	701	33,384
2211B 42	Lawns, voiles, and batistes.....	(D)	(D)	(D)	(D)
2221D 43	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221D 44	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221G 21	All other fabrics, 85 percent or more spun yarn.....	-	-	-	(D)
2221G 21	Spun/filament combinations.....	-	-	-	-
2211B 72	Duck, including taped warp duck.....	977	23,817	995	22,602
2221D 88	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221D 92	Chiefly spun polyester mixed with cotton.....	192	3,171	190	3,166
2221G 77	All other fabrics, 85 percent or more spun yarn.....	259	8,055	233	7,475
2221G 77	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211B 51	8edsheeting.....	15,249	418,585	15,315	416,702
2221D 51	More than 50 percent cotton.....	3,946	102,006	3,865	94,526
2221D 53	Chiefly spun polyester mixed with cotton.....	9,896	260,442	10,095	262,593
2221D 53	Carded.....	1,755	54,907	1,976	61,647
2221D 55	Combed.....	8,141	205,535	8,119	200,946
2221G 33	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2221G 33	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211B 62	All other sheeting, including osnaburgs.....	5,748	176,826	5,391	170,066
2221D 62	More than 50 percent cotton.....	3,440	81,863	3,174	80,812
2211B 64	Weighing 5.9 ounces or less per square yard.....	2,891	68,036	2,669	69,717
2211B 66	Weighing more than 5.9 ounces per square yard.....	549	13,827	505	11,095
2221D 64	Blanketing.....	(D)	(D)	(D)	(D)
2221D 66	All other fabric <sup>1</sup> .....	(D)	(D)	(D)	(D)
2221D 64	85 percent or more spun polyester.....	203	12,958	155	11,074
2221D 66	Blanketing.....	(D)	(D)	(D)	(D)
2221D 66	All other fabric <sup>1</sup> .....	(D)	(D)	(D)	(D)
2221D 74	Chiefly spun polyester mixed with cotton.....	1,482	57,689	1,368	50,898
2221D 76	Weighing 5.0 ounces or less per square yard.....	(D)	(D)	(D)	(D)
2221D 76	Weighing more than 5.0 ounces per square yard <sup>1</sup> .....	(D)	(D)	(D)	(D)
2221D 82	Chiefly spun acrylic.....	299	10,631	326	11,829
2221D 84	Blanketing.....	(D)	(D)	(D)	(D)
2221D 84	All other fabric.....	(D)	(D)	(D)	(D)
2221D 86	All other fabrics, 85 percent or more spun yarn <sup>1</sup> .....	(D)	(D)	(D)	(D)
2221G 45	Spun/filament combinations.....	(D)	(D)	(D)	(D)

See footnotes at end of table.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS--Continued

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1988		First quarter 1988	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
2211C 01	Blue denim.....	3,715	175,026	3,821	208,911
2211C 03	More than 50 percent cotton.....	3,687	173,133	3,789	206,935
2221E 03	Weighting 10.7 ounces or less per square yard.....	391	23,077	543	29,993
2221G 46	Weighting more than 10.7 ounces per square yard.....	3,296	150,056	3,246	176,942
	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211C 12	All other denim.....	928	39,123	1,145	33,847
2211C 14	More than 50 percent cotton.....	633	34,281	838	28,018
2221E 14	Weighting 10.7 ounces or less per square yard.....	118	3,802	87	2,566
2221G 48	Weighting more than 10.7 ounces per square yard.....	515	30,479	751	25,452
	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
	Spun filament combinations.....	(D)	(D)	(D)	(D)
2211C 22	Canton flannels.....	386	6,791	416	8,535
	All other twill weaves.....	8,540	254,490	8,519	265,878
2211C 32	More than 50 percent cotton.....	3,127	88,163	3,275	82,935
2211C 34	Weighting 5.9 ounces or less per square yards.....	1,050	24,046	954	20,856
2221E 22	Weighting more than 5.9 ounces per square yard.....	2,077	64,117	2,321	62,079
2221E 24	85 percent or more spun polyester.....	187	(D)	214	6,666
2221E 26	Chiefly spun polyester mixed with cotton.....	2,960	106,065	3,188	126,578
2221E 28	Weighting 5.0 ounces or less per square yard.....	522	13,301	552	14,856
2221G 39	Weighting more than 5.0 ounces per square yard.....	2,438	92,764	2,636	111,722
	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211D 05	Sateens.....	1,717	31,292	1,512	28,503
2211F 05	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221F 07	Chiefly spun polyester mixed with cotton.....	330	5,138	300	5,029
2221G 63	All other fabrics, 85 percent or more spun yarn.....	530	5,260	440	6,310
	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211D 12	Oxfords.....	1,104	42,401	1,130	46,113
2221F 12	More than 50 percent cotton.....	627	29,821	639	31,932
2221F 16	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221G 68	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	275	6,781	239	5,578
2211D 32	Birdeye diaper cloth.....	(D)	(D)	(D)	(D)
2211D 35	Huck and crash toweling.....	(D)	(D)	(D)	(D)
2211D 45	Table damask.....	731	15,513	750	14,418
2221F 33	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221F 36	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221G 82	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	-	-	-	-
2211D 52	Jacquard and dobby shirting fabrics.....	596	10,855	665	10,677
2221F 42	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221F 44	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221G 84	All other fabric, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	262
2211D 62	All other weaves.....	6,975	126,844	6,890	119,200
2211D 64	More than 50 percent cotton.....	2,851	47,915	2,724	44,022
2221F 52	Weighting 5.9 ounces or less per square yard.....	869	17,659	768	17,375
2221F 54	Weighting more than 5.9 ounces per square yard.....	1,982	30,256	1,956	26,647
2221F 56	85 percent or more spun polyester.....	444	10,269	438	7,972
2221F 58	Chiefly spun polyester mixed with cotton.....	1,007	16,293	1,002	16,503
2221G 87	Weighting 5.0 ounces or less per square yard.....	650	11,072	690	10,245
	Weighting more than 5.0 ounces per square yard.....	357	5,221	312	6,258
	All other fabrics, 85 percent or more spun yarn.....	1,416	26,248	1,401	22,641
	Spun/filament combinations.....	1,257	26,119	1,325	28,062

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Yarn dyed print cloth is included with poplin and broadcloth to avoid disclosing figures for individual companies.



Table 5. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE FILAMENT YARN FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1988		First quarter 1988	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	85 percent or more filament yarn fabrics.....	29,258	1,438,647	28,498	1,452,805
	High tenacity yarn fabrics.....	1,092	28,104	1,076	23,923
2221B 01	100 percent and chiefly rayon.....	458	5,096	457	5,342
2221C 01	100 percent and chiefly nylon.....	405	13,283	367	9,355
2221C 03	100 percent and chiefly polyester.....	229	9,725	252	9,226
	85 percent or more acetate or triacetate filament yarn fabrics.....	17,385	1,131,936	17,080	1,119,554
	Weighing not more than 5 ounces per square yard.....	16,062	1,117,696	15,862	1,107,269
2221B 21	Plain weave.....	3,581	167,052	3,404	159,868
2221B 23	Other weaves.....	2,481	50,644	2,458	47,401
	Weighing more than 5 ounces per square yard.....	1,323	14,240	1,218	12,285
2221B 25	Plain weave.....	(D)	(D)	(D)	(D)
2221B 27	Other weaves.....	(D)	(D)	(D)	(D)
	85 percent or more rayon filament yarn fabrics.....	(1)	(1)	(1)	(1)
2221B 41	Weighing not more than 5 ounces per square yard.....	(1)	(1)	(1)	(1)
2221B 43	Weighing more than 5 ounces per square yard.....	(1)	(1)	(1)	(1)
	Other chiefly rayon and/or acetate filament yarn fabrics.....	2,240	38,500	2,119	38,009
2221B 51	Weighing not more than 5 ounces per square yard.....	437	6,927	380	6,700
2221B 53	Weighing more than 5 ounces per square yard.....	1,803	31,573	1,739	31,309
	85 percent or more nylon filament yarn fabrics.....	4,051	110,166	4,518	119,683
2221C 11	Typewriter and other impression fabrics.....	1,078	27,527	1,169	28,616
	Other 85 percent or more nylon filament yarn fabrics.....	2,973	82,639	3,349	91,067
	Weighing not more than 5 ounces per square yard.....	2,398	71,221	2,668	81,213
2221C 13	Flat, non-textured.....	2,183	65,437	2,436	74,780
2221C 15	All other.....	215	5,784	232	6,433
	Weighing more than 5 ounces per square yard.....	575	11,418	681	9,854
2221C 23	Flat, non-textured.....	458	6,930	617	7,223
2221C 25	All other.....	117	4,488	64	2,631
	Other chiefly nylon filament fabrics.....	116	1,068	109	801
2221C 31	Weighing not more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)
2221C 33	Weighing more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)
	85 percent or more polyester filament yarn fabrics.....	7,041	205,456	6,557	194,252
	Textured.....	4,234	142,251	3,764	134,296
2221C 44	Weighing not more than 5 ounces per square yard <sup>2</sup> .....	2,190	52,105	1,846	45,320
2221C 43	Flat.....	1,082	32,641	1,044	33,786
2221C 45	Other.....	1,108	19,464	802	11,534
2221C 50	Weighing more than 5 ounces per square yard <sup>2</sup> .....	2,044	90,146	1,918	88,976
	Non-textured.....	2,807	63,205	2,793	59,956
2221C 62	Weighing not more than 5 ounces per square yard <sup>2</sup> .....	2,087	46,159	2,084	43,154
2221C 66	Weighing more than 5 ounces per square yard <sup>2</sup> .....	720	17,046	709	16,802
2221C 73	Other chiefly polyester filament fabrics.....	142	2,639	129	2,524
	Glass fiber fabrics.....	3,002	135,281	2,837	133,391
2221C 82	Woven roving and screening.....	3,002	135,281	2,837	133,391
2221C 89	All other glass fiber fabrics.....				
	All other 85 percent or more filament yarn fabrics, including saran and olefin and fabrics obtained from strip, except rayon and/or acetate.....	4,189	785,497	4,073	820,668
2221C 91	Carpet backing.....	2,834	718,094	2,767	731,253
2221C 93	All other.....	1,355	67,403	1,306	89,415

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Included with 85 percent or more acetate or triacetate filament yarn fabric to avoid disclosing figures for individual companies.<sup>2</sup>Classified on a finished weight basis.



Table 6. PRODUCTION AND LOOM ASSIGNMENT OF UPHOLSTERY FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1988		First quarter 1988	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Upholstery fabrics.....	4,557	80,381	4,679	89,580
	85 percent or more spun yarn and spin filament combinations.....	3,759	60,879	3,957	70,046
	Pile woven.....	1,356	21,212	1,466	22,171
2211E 41	All cotton and chiefly cotton.....	(S)	(S)	(S)	(S)
2221H 41	All manmade and chiefly manmade.....	884	18,495	907	18,089
	Flat woven.....	2,403	39,667	2,491	47,875
2211X 01	All cotton and chiefly cotton.....	495	11,286	483	10,480
	All manmade and chiefly manmade.....	1,908	28,381	2,008	37,395
2221X 01	Olefin.....	329	5,456	351	5,757
2221X 03	All other flat woven manmade fiber fabrics.....	1,579	22,925	1,657	31,638
	85 percent or more filament yarn.....	798	19,502	722	19,534
2221C 77	All polyester and chiefly polyester.....	232	4,422	195	4,253
2221C 78	All nylon and chiefly nylon.....	58	1,421	30	1,752
2221C 98	All olefin and chiefly olefin.....	347	10,916	339	10,797
2221C 99	All other filament fiber fabrics.....	161	2,743	158	2,732

Note: These data are included in the data shown in tables 4, 5 and 8.

See footnotes at end of table 7.

Table 7. PRODUCTION AND LOOM ASSIGNMENT OF WOOLEN AND WORSTED FABRICS, INCLUDING CHIEFLY MANMADE/WOOL BLENDS AND CHIEFLY COTTON/WOOL BLENDS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1988		First quarter 1988	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Woolen and worsted fabrics, 36 percent or more wool (except felts) <sup>1</sup> .....	2,367	52,996	2,345	50,558
	Apparel fabrics, including government orders.....	2,211	50,306	2,201	47,722
	Worsted fabrics.....	1,158	29,695	1,152	28,195
22312 01	Weighting not more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)
22312 02	Weighting more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)
	Woolen fabrics.....	1,053	20,611	1,049	19,527
22312 21	Weighting not more than 9 ounces per square yard.....	(D)	(D)	(D)	(D)
22312 23	Weighting more than 9 ounces per square yard.....	(D)	(D)	(D)	(D)
	Nonapparel fabrics, including government orders (except felts).....	156	2,690	144	2,836
22312 62	Blanketing, including thermal.....	30	785	30	955
22312 85	All other fabrics.....	126	1,905	114	1,881
22312 92	Woven felts (thousands of pounds).....	177	1,723	180	1,818
	Chiefly manmade/wool blend and chiefly cotton/wool blend fabrics.....	(D)	(D)	(D)	(D)
2221H 22	Chiefly spun polyester mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)
2221H 21	All other chiefly spun fibers mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)
2221C 92	Chiefly filament polyester mixed mainly or solely with wool or spun polyester/wool blends.....	(D)	(D)	(D)	(D)
2221C 98	All other chiefly filament yarn mixed mainly or solely with wool...	(D)	(D)	(D)	(D)

(D) Data withheld to avoid disclosing figures for individual companies.

(S) Suppressed. Data did not meet publication standards of the Bureau of the Census.

<sup>1</sup>Includes fabrics 36 percent or more wool or reprocessed wool by weight. 1986 and prior years include fabrics 50 percent or more wool or reprocessed wool by weight.



Table 8. PRODUCTION AND LOOM ASSIGNMENT OF PILE FABRICS  
(INCLUDES YARN DYED FABRIC)

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1988		First quarter 1988	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Pile fabrics.....	8,040	129,902	8,020	132,481
	Corduroy.....	1,307	21,273	1,404	17,783
	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
221IE 01	Finewales and pinwales.....	540	7,588	569	4,645
221IE 03	Midwales.....	(D)	(D)	(D)	(D)
221IE 05	Thicksets.....	(D)	(D)	(D)	(D)
221IE 07	Widewales and other.....	627	10,342	711	8,144
222IH 01	Chiefly manmade fiber.....	(D)	(D)	(D)	(D)
	Velvets, plushes, and other pile fabrics.....	944	15,519	902	13,213
221IE 21	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
222IH 11	Chiefly manmade fiber.....	(D)	(D)	(D)	(D)
	Terry cloth and terry toweling.....	5,789	93,110	5,714	101,485
221IE 32	Terry toweling.....	5,680	90,706	5,595	98,681
221IE 34	Terry cloth.....	109	2,404	119	2,804

(D) Data withheld to avoid disclosing figures for individual companies.

Table 9. PRODUCTION OF TIRE CORD AND TIRE CORD FABRICS

(Thousands of pounds)

Product code	Product description	Production during quarter	
		Second quarter 1988	First quarter 1988
22960 00	Tire cord and tire cord fabrics.....	124,931	128,592
22960 12	Cotton tire cord and tire cord fabrics.....	-	-
22960 32	Rayon tire cord and tire cord fabrics.....	(D)	(D)
22960 35	Nylon tire cord and tire cord fabrics.....	46,041	45,651
22960 37	Polyester tire cord and tire cord fabrics.....	31,929	33,502
22960 38	Glass tire cord and tire cord fabrics.....	650	776
22960 45	Steel tire cord.....	40,008	42,204
22960 51	All other tire cord and tire cord fabrics including chafer....	(D)	(D)

- Represents zero.

(D) Data withheld to avoid disclosing figures for individual companies.

Table 10. LDOMS IN PLACE AND LOOM HOURS OPERATED IN BROADWOVEN FABRIC MILLS

Product description	Second quarter 1988		First quarter 1988	
	Looms in place (number)	Thousands of loom hours operated	Looms in place (number)	Thousands of loom hours operated
Total.....	241,515	136,070	245,899	136,701
Shuttle type looms.....	122,147	71,138	124,092	71,512
Single shuttle cam looms.....	88,500	48,429	89,842	48,841
Single shuttle dobby looms.....	22,558	13,597	22,642	13,680
Multiple shuttle box or head motion looms.....	6,847	5,357	7,301	5,261
Double shuttle pile and plush, and jacquard looms.....	4,242	3,755	4,307	3,730
Shuttleless looms and weaving machines.....	119,368	64,932	121,807	65,189
Single filling insertion capability.....	73,914	40,039	75,631	40,551
Air jet looms.....	23,326	12,647	23,623	12,406
Water jet looms.....	11,111	6,053	10,215	5,917
Projectile looms.....	29,412	15,564	29,718	15,894
Rapier looms.....	10,065	5,775	12,075	6,334
Multiple filling insertion capability.....	44,513	24,272	45,143	23,952
Air jet looms.....	3,520	2,023	3,599	1,999
Water jet looms.....	389	210	375	210
Projectile looms.....	20,530	10,060	21,048	9,991
Rapier looms.....	20,074	11,979	20,121	11,752
Pile and plush looms.....	941	621	1,033	686



## DESCRIPTION OF SURVEY

**Scope of Survey.** This survey covers all companies manufacturing broadwoven fabrics (gray) in the United States, except very small firms (generally less than 5 employees) for which 1982 Census of Manufactures data were derived from administrative records of other Government agencies.

**Survey Methodology.** The statistics in this publication were collected by mail on Bureau of the Census quarterly Form MQ22T, Broadwoven Fabrics (Gray). The survey panel includes all known manufacturers of broadwoven fabrics (gray), except those very small firms excluded from the scope of the survey. Approximately 400 establishments are included.

**Reliability of Data.** Survey error may result from several sources: (1) inability to obtain information about all cases in the survey; (2) response errors; (3) definitional difficulties; (4) differences in the interpretation of questions; (5) mistakes in recording or coding the data obtained; and (6) other errors of collection, response, coverage, and estimation for missing data. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is due to imputing data for nonrespondents, for late reporters, and for data which failed the edit. Missing figures are imputed based on quarter-to-quarter movements shown by reporting firms. Imputation generally is limited to a maximum of 10 percent for any one data cell. Figures with imputation rates greater than 10 percent are footnoted.

The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse, because the actual quarterly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is not precisely known, but is assumed to be small. The degree of uncertainty regarding the accuracy of the published data, however, increases as the percentage of imputation increases. Figures with imputation rates above 25 percent should be used with caution.

**Revisions to Previous Period Data.** Statistics for previous quarters may be revised as the result of corrected data from respondents, including the receipt of late reports for which imputations were made as described above. Figures which have been revised by more than 5 percent from previously published figures are indicated by footnotes.

## EXPLANATION OF TERMS

**Woolen and Worsted Fabrics, Chiefly Wool.** Fabrics 36 percent or more by weight of wool, reprocessed wool, or reused wool. Apparel fabrics include all fabrics that may be labeled as being made entirely of wool, reprocessed wool, and reused wool under the Wool Products Labeling Act. This includes blends of wool of sheep with, and fabrics entirely of mohair, cashmere, camel hair, alpaca, llama, and vicuna.

**Cotton Fabrics.** Fabrics wholly or chiefly by weight of cotton.

**Manmade Fiber Fabrics.** Fabrics wholly or chiefly by weight of manmade fibers.

**Blends and Mixtures.** Fabrics made from more than one fiber are classified in the same way as other fabrics, i.e., according to whether the fabric is chiefly cotton, wool, or manmade fiber. As examples, a fabric which is 55 percent cotton and 45 percent rayon is classified as cotton; a fabric which is 40 percent cotton, 30 percent rayon, and 30 percent acetate is classified as manmade.

Blends and mixture which are by weight 50 percent natural fiber and 50 percent manmade fiber are, for purposes of continuity, classified in the manmade category.

**Production.** Represents total production of broadwoven gray fabrics by all weaving mills regardless of their primary activity.

**Units of Quantity.** Production is reported in thousands of square yards except for tire cord and tire cord fabrics, which are reported in thousands of pounds.

**Looms Operating.** Represents number of looms operating at the end of the quarter, assigned to the specific fabrics.

**Spun Yarn Fabrics.** Includes all fabrics that contain 85 percent or more spun yarns.

**Filament Yarn Fabrics.** Includes all fabrics that contain 85 percent or more filament yarns.

**Spun/Filament Combinations.** Includes fabrics that are combinations of spun and filament yarn where neither the spun or filament yarns exceed 85 percent.

**Plain Weave Fabrics.** A fabric construction in which each yarn of the weft passes alternately over and under successive yarns of the warp and each yarn of the warp passes alternately over and under successive yarns of the weft.



**Tobacco, Cheese, and Bandage Cloth.** Fabrics of plain weave, weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) consisting of 85 or less warp ends and filling picks per square inch whether or not napped.

**Print Cloth.** Fabrics of plain weave, weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) of average yarn numbers 26-40, consisting of more than 85 singles yarns per square inch, of square construction, whether or not of yarns of different colors (yarn dyed), whether or not napped.

**Poplin and Broadcloth.** Fabrics of plain weave, not of square construction, whether or not napped, but does not include the following types—fabrics weighing not more than 5.9 ounces per square yard, containing 85 or less warp ends and filling picks per square inch, or fabrics weighing more than 5.9 ounces per square yard of average yarn number 15 or lower.

**Lawns, Voiles, and Batistes.** Fabrics of plain weave weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) consisting of more than 85 warp ends and filling picks per square inch, of square construction, of average yarn number 41 or higher, whether or not napped.

**Sheeting.** Fabrics of plain weave, whether or not napped, of the following types:

Fabrics weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), of square construction, containing more than 85 warp end and filling picks per square inch, of average yarn number 40 or lower, but not including print cloth.

Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) but does not include fabrics of which the warp or filling, or both, consists of multiple (folded) or cabled yarns, of average yarn number 15 or lower or fabrics of average yarn number 15 or lower or fabrics of average yarn number 16 or higher number, not of square construction.

**Twill Weave Fabrics.** Fabrics in which the warp and filling yarns are interlaced in such a manner as to produce a diagonal or bias effect on the face of the fabric.

**Blue Denim.** Fabrics of 3 or 4- thread twill, including broken twill, warp faced, the warp yarns of which are dyed blue and the weft yarns of which are unbleached, bleached, dyed grey or colored a lighter shade of blue than that of the warp yarns.

**All Other Denim.** Includes sport denims and all other denim not include above.

**Canton Flannel.** Fabric woven with a four-harness warp face twill with heavy, soft filling yarn, and a medium count warp. A long nap is raised on the back.

#### *All Other Weaves*

**Sateens.** Fabrics woven with a satin weave, whether or not napped, in which the surface of the cloth consists almost entirely of warp or filling floats; that is, in the repeat of a weave pattern, each yarn of one system passes over several yarns of the other system before interlacing.

**Oxfords.** Fabrics weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), whether or not napped, woven as plain weave except that two or more warp ends are woven as one (taped warp). Oxford cloth is not to be classified as a plain weave fabric.

**Duck.** Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), of average yarn number 15 or lower number, whether or not napped, of a plain weave where the warp or filling or both, consists of multiple (folded) or cabled yarns.

**Taped Warp Duck.** Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces (chiefly cotton fabric), of average yarn number 15 or lower number, whether or not napped, of a plain weave except that two or more warp ends are woven as one (tape warp) whether or not containing multiple (folded) or cabled yarns.

**Shirting, Jacquard or Dobby.** Fabrics weighing not more than 5 ounces per square (chiefly manmade fiber) or 5.9 ounces per square yard (chiefly cotton fiber) whether or not napped, woven wholly or in part with jacquard or dobby attachment.

**Table Damask.** Fabrics, whether or not napped, woven wholly or in part with jacquard or dobby attachment characterized by elaborate decorative designs, usually of floral patterns. The designs are reversible and are formed by warp-face satin weave. Table damask is generally all white, although it is sometimes made with colored stripes or in solid pastel shades.

**Ginghams, Plaids, and Checks.** Yarn dyed fabrics composed of two or more colors in the warp and two or more colors in the filling.



**Stripes and Other Yarn Dyed Fabrics.** Yarn dyed fabrics composed of any number of colors in the warp but only one color in the filling.

**High Tenacity Yarn Fabric.** Fabric made from yarns having a tenacity, expressed in centinewtons per tex (cN/tex) greater than 60 cN/tex for multiple (folded) or cabled yarns of nylon or polyester; or 27 cN/tex for multiple (folded), cabled, or singles yarns of viscose rayon.

**Flat Fabrics.** Fabrics containing yarns having less than twelve turns per inch.

## COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

The Standard Industrial Classification (SIC) system used for domestic output and the statistical export and import commodity classifications were developed independently. This results in considerable difficulty in comparing the three types of data for many commodity areas. The domestic output classification is based on type of industry; on the other hand, the export and import classification system is more materials oriented. Also, there are a substantial number of imported commodities which have no comparable domestic output classification. The relationships shown in this report should be considered only as approximations, since, in addition to the problems mentioned above, there are also the following problems affecting the comparability of the three sets of data.

**Valuation.** There are different methods of valuation for the three types of data:

- **Domestic Output.** Valued at the point of production. It includes the net sales price, f.o.b. plant, after discounts and allowances, exclusive of freight charges and excise taxes.
- **Exports.** Valued at the point of exportation. It includes the selling price, or cost if not sold, and inland freight, insurance and other charges to the export point.  
Estimated producers' values of exports have also been developed. These values more closely approximate the values reported for domestic output because they exclude freight, insurance, and other charges applied from the producing plant to the export point.
- **Imports.** Valued at the first port of entry in the United States. It includes c.i.f. (cost, insurance, and freight), duty, and other charges to the import point.

**Duplication in Quantity and Value of Output.** Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of data for such commodities may

contain a certain amount of duplication. Thus, percentages of exports to output or imports to apparent consumption (output plus imports minus exports) at four-digit or broader levels may be understated. Where duplication is known to be substantial, the output data are appropriately noted in the table.

**Low-Value Export and Import Transactions.** Detailed commodity information is not included for individual export shipments valued at not more than \$1,500. Generally, detailed commodity information is not included for individual import shipments valued at not more than \$1,000. For textiles and textile products, gloves, footwear, and miscellaneous rubber and plastics products, detailed commodity information is not included for individual import shipments valued at not more than \$250. This is believed to have only negligible effects on the statistics for the bulk of the commodities.

**Manufacturers' Shipments, Not Specified by Kind.** The value of manufacturers' shipments at the four-digit industry level often includes a small amount which is not distributed among the individual five-digit product classes. Export and import percentages at the more detailed levels might, therefore, be slightly overstated.

**Time Lag Between Output and Exports.** There will be a lag between the time a commodity is produced or shipped by the producer and the time it is actually exported, especially when intermediaries (wholesalers, exporters, etc.) are involved. Ordinarily, this type of discrepancy is insignificant in annual figures.

**"Direct" vs "Total" Commodity Exports and Imports.** Export and import data do not include materials which are incorporated into other more finished products and exported or imported in finished form. Thus, by showing only direct exports and imports, the relation of exports to output and imports to apparent consumption for intermediate products is considerably understated.

**Used Commodities.** With a few exceptions, used or rebuilt commodities are classified in the same import or export codes as is new merchandise. Percentages are thus overstated to the extent that used or rebuilt products are significant in trade.

**Geographic Area of Coverage.** Import and export data reflect the movement of merchandise into and out of U.S. foreign trade zones, the U.S. Virgin Islands, and the U.S. customs territory (includes the 50 States, the District of Columbia, and Puerto Rico).

## RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report summarizes quarterly figures and incorporates known revisions for both current and previous year. It also provides a single reference copy to replace the quarterly publications.



The Bureau of the Census also publishes the following related reports:

Series	Frequency	Title
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*Current Industrial Reports*

M22D	Monthly	<i>Consumption on the Woolen System and Worsted Combing</i>
M22P	Monthly	<i>Consumption on the Cotton System and Stocks</i>
MQ22Q	Quarterly	<i>Carpet and Rugs</i>
MQ23A	Quarterly	<i>Selected Apparel</i>
MQ23X	Quarterly	<i>Sheets, Pillowcases, and Towels</i>
MA22F.1	Annually	<i>Textured Yarn Production</i>
MA22F.2	Annually	<i>Spun Yarn Production</i>
MA22G	Annually	<i>Narrow Fabrics</i>
MA22K	Annually	<i>Knit Fabric Production</i>
MA22Q	Annually	<i>Carpet and Rugs</i>
MA22S	Annually	<i>Broadwoven Fabrics Finished</i>
MA22M	Biennially	<i>Stocks of Wool and Related Fibers</i>
MA23A	Annually	<i>Apparel</i>
MA23D	Annually	<i>Gloves and Mittens</i>
<i>Other Industry Reports</i>		
M3-1	Monthly	<i>Manufacturers' Shipments, Inventories, and Orders</i>
(AS)	Annually	<i>Annual Survey of Manufactures (ASM)</i>

Series	Frequency	Title
(MC)	Quinquennially	Census of Manufactures

**CONTACTS FOR DATA USERS**

Subject Area	Contact	Phone Number
Current Industrial Report MQ22T	Judy Dodds	(301) 763-7536
Manufacturers' Shipments, Inventories, and Orders	Kathleen Menth	(301) 763-2575
Census/ASM	Ted McGrath	(301) 763-5152
Classifications Systems Comparability	James Kristoff (ESD)	(301) 763-1935
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MQ 22T(88)-3

MAY 3 1989

## Broadwoven Fabrics (Gray)

THIRD QUARTER 1988

U.S. Department of Commerce  
BUREAU OF THE CENSUSMQ22T(88)-3  
Issued April 1989

The statistics in this publication are based on a survey of manufactures and represent total U.S. production of broadwoven fabrics over 12 inches. Estimates are included for companies whose reports were not received in time

for tabulation. A description of the survey methodology and related information appears in the first and second quarter report, MQ22T(88)-1 and 2, issued February 1989.

This report is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100.

Table 1. SUMMARY OF PRODUCTION OF BROADWOVEN GRAY FABRICS, BY TYPE OF FABRIC: 1983 TO 1988

(Millions of square yards)

Year	Chiefly cotton fabrics	Manmade fiber fabrics, including silk and manmade/wool blends	Chiefly wool fabric	Tire cord and tire cord fabrics
1988				
Third quarter.....	1,049.0	2,660.9	43.0	129.1
Second quarter.....	1,208.3	2,796.2	53.0	124.9
First quarter.....	1,232.6	2,870.9	50.6	128.6
1987				
Fourth quarter.....	1,178.2	2,945.9	40.9	126.8
Third quarter.....	1,219.1	2,787.7	36.0	122.1
Second quarter.....	1,216.9	2,764.0	45.9	121.9
First quarter.....	1,158.0	2,736.7	46.0	124.5
1986				
Fourth quarter.....	1,129.3	2,785.4	30.2	116.0
Third quarter.....	1,095.2	2,561.5	27.8	105.9
Second quarter.....	1,102.6	2,659.8	41.2	108.8
First quarter.....	1,037.0	2,757.5	40.2	112.8
1985				
Fourth quarter.....	955.4	2,696.4	34.0	112.2
Third quarter.....	933.0	2,652.6	24.3	107.9
Second quarter.....	1,001.7	2,685.7	39.5	129.5
First quarter.....	1,030.3	2,761.9	40.6	145.9
1984				
Fourth quarter.....	955.2	2,878.2	36.7	143.0
Third quarter.....	946.6	2,921.5	29.7	135.4
Second quarter.....	1,031.5	3,026.3	44.3	146.3
First quarter.....	1,068.8	3,026.4	48.6	139.9
1983				
Fourth quarter.....	1,040.2	3,142.9	37.0	144.2
Third quarter.....	1,032.4	2,801.4	28.8	136.2
Second quarter.....	1,052.0	2,826.9	41.8	134.3
First quarter.....	1,067.5	2,689.5	36.0	128.0

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Judy Dodds, (301) 763-7536.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.



Table 2. SUMMARY OF PRODUCTION AND LOOM ASSIGNMENTS OF BROADWOVEN GRAY FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1988		Second quarter 1988		Production, year-to-date (M sq. yards)
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)	
	Cotton and chiefly cotton fabrics mixed mainly or solely with manmade fibers.....	41,717	1,049,024	44,007	1,208,331	3,489,992
2211B 00	Plain weaves.....	22,642	606,064	23,133	671,835	1,953,870
2211C 00	Twill weaves.....	6,929	239,276	7,621	299,576	865,275
2211D 00	All other weaves except pile.....	5,117	93,500	5,489	116,465	320,237
2211E 00	Pile fabrics.....	7,029	110,184	7,764	120,455	350,610
	Chiefly cotton fabrics mixed mainly or solely with other than manmade fibers.....	(D)	(D)	(D)	(D)	(D)
	Manmade fiber and silk gray broadwoven fabrics.....	80,811	2,660,872	79,950	2,796,231	8,382,162
2221B 00	85 percent or more filament rayon and/or acetate fabrics.....	10,089	173,381	9,826	176,381	512,667
2221C 00	85 percent or more filament fabrics, except rayon and/or acetate.....	18,224	1,159,561	18,343	1,233,556	3,737,208
	85 percent or more spun yarn fabrics, except wool blends.....	43,467	1,031,790	42,807	1,089,280	3,294,737
2221D 00	Plain weave, except pile.....	34,207	823,750	33,531	865,931	2,602,484
2221E 00	Twill weave, except pile.....	4,936	137,803	5,019	143,466	443,426
2221F 00	All other weaves, except pile.....	4,324	70,237	4,257	79,883	248,727
2221G 00	Spun/filament yarn combinations.....	(D)	(D)	(D)	(D)	(D)
2221H 10	Pile fabrics.....	(D)	(D)	(D)	(D)	(D)
2221H 29	All other chiefly manmade fiber fabrics, including chiefly manmade fiber blends with wool.....	(D)	(D)	(D)	(D)	(D)
2221H 28	Silk fabrics.....	(D)	(D)	(D)	(D)	(D)
	Woolen and worsted fabrics.....	2,266	43,003	2,319	53,006	150,984

(D) Data withheld to avoid disclosing figures for individual companies.

F Revised by 5 percent or more from previously published figures.

Table 3. PRODUCTION OF BROADWOVEN FABRIC BY TEXTILE CATEGORY: 1988

(Thousands of square yards)

Product description	Production during quarter		Production year-to-date
	Third quarter 1988	Second quarter 1988	
Blue denim.....	144,744	178,410	532,065
All other yarn dyed fabric.....	103,396	132,958	372,807
Plain weave.....	35,907	34,598	109,316
Twill weave.....	18,114	39,183	95,608
All other weave.....	49,375	59,177	167,883
Cheesecloth and batistes.....	335,398	367,952	1,068,864
Duck.....	15,028	21,907	57,696
Oxfords.....	16,599	14,558	50,044
Pile fabrics.....	123,856	134,983	383,889
Special weave fabric.....	83,522	100,103	277,942
Other fabrics, chiefly cotton fiber:			
Print cloth.....	100,868	116,771	344,707
Poplin and broadcloth.....	44,539	48,060	137,435
Sheeting.....	152,015	160,207	486,694
Twill.....	80,165	86,355	251,617
Sateens.....	4,223	8,215	19,030
Other fabrics, chiefly manmade fiber:			
Manmade/wool blends.....	(D)	(D)	(D)
85 percent or more filament yarn fabrics:			
Typewriter fabric.....	21,865	27,527	78,008
Other nylon.....	89,821	96,990	288,034
Rayon and acetate.....	172,953	175,953	631,782
Polyester.....	219,810	217,254	643,066
Glass fiber.....	99,063	107,071	339,525
All other.....	783,193	785,497	2,389,358
85 percent or more spun yarn fabrics:			
Print cloth.....	260,770	287,973	821,422
Poplin and broadcloth.....	190,388	199,906	574,012
Sheeting.....	305,856	321,876	989,666
Twill and sateens.....	146,421	149,364	464,930
Spun filament combinations except blue denim:			
Print cloth.....	88,330	84,245	233,231
Poplin and broadcloth.....	37,300	47,800	118,484
Sheeting.....	57,992	58,361	162,489
Twill and sateens.....	35,151	39,445	111,653
Other.....	65,255	54,047	162,430
Wool fabrics.....	43,003	53,006	146,567
Silk fabrics.....	(D)	(D)	(D)

(D) Data withheld to avoid disclosing figures for individual companies.  
published figures.

F Revised by 5 percent or more from previously published figures.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1988		Second quarter 1988	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
2211B 02	Tobacco, cheese, and bandage cloth.....	5,822	331,097	5,517	360,708
2221D 04	More than 50 percent cotton.....	5,018	274,305	5,028	309,954
2221D 08	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221D 08	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2221G 04	Spun-filament combinations.....	(D)	(D)	(D)	(D)
	Print cloth.....	123,951	1449,902	123,736	1487,967
2211B 12	More than 50 percent cotton.....	7,558	100,864	7,868	116,771
2221D 14	Chiefly spun polyester mixed with cotton.....	8,330	183,796	8,784	207,849
2221D 16	Chiefly spun polyester mixed with rayon.....	4,582	160,457	3,663	154,151
2221D 18	All other fabrics, 85 percent or more spun yarn.....	1,124	16,517	1,230	25,973
2221G 07	Spun/filament combinations.....	2,357	88,264	2,191	83,223
	Poplin and broadcloth.....	19,690	1289,230	10,571	1308,896
	More than 50 percent cotton.....	2,393	52,586	2,216	55,257
2211B 22	Weighing 5.9 ounces or less per square yard.....	2,061	38,073	1,917	40,644
2211B 26	Carded.....	1,117	18,234	1,171	25,400
	Combed.....	944	19,839	746	15,244
	Weighing more than 5.9 ounces per square yard.....	332	14,513	126	14,613
2211B 32	Carded.....	(D)	(D)	173	14,732
2211B 36	Combed.....	(D)	(D)	173	9,881
	Chiefly spun polyester mixed with cotton.....	5,748	181,425	6,545	190,134
	Weighing 5.0 ounces or less per square yard.....	4,878	146,614	5,829	163,024
2221D 24	Carded.....	3,654	89,205	4,236	104,556
2221D 26	Combed.....	1,224	57,409	1,592	58,468
	Weighing more than 5.0 ounces per square yard.....	870	34,811	717	27,110
2221D 28	Carded.....	199	7,442	(D)	(D)
2221D 32	Combed.....	167	27,369	(D)	(D)
2221D 34	All other fabrics, 85 percent or more spun yarn.....	862	23,059	856	23,093
2221G 19	Spun/filament combinations.....	687	32,160	954	40,412
	Lawns, voiles, and batistes.....	(D)	(D)	(D)	(D)
2211B 42	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221D 43	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221D 44	All other fabrics, 85 percent or more spun yarn.....	-	(D)	-	-
2221G 21	Spun/filament combinations.....	(D)	(D)	-	-
	Duck, including taped warp duck.....	753	17,863	930	23,439
2211B 72	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221D 88	Chiefly spun polyester mixed with cotton.....	(D)	(D)	205	3,981
2221D 92	All other fabrics, 85 percent or more spun yarn.....	218	6,711	229	7,346
2221G 77	Spun/filament combinations.....	(D)	(D)	(D)	(D)
	Bedsheeting.....	15,312	368,525	14,729	379,945
2211B 51	More than 50 percent cotton.....	3,803	102,852	3,920	100,478
	Chiefly spun polyester mixed with cotton.....	10,682	228,291	9,896	242,331
2221D 51	Carded.....	1,284	46,759	1,755	54,907
2221D 53	Combed.....	9,398	181,532	8,141	187,424
2221D 55	All other fabrics, 85 percent or more spun yarn.....	-	-	-	-
2221G 33	Spun/filament combinations.....	827	37,382	(D)	(D)
	All other sheeting, including osnaburgs.....	5,448	151,236	5,412	163,911
	More than 50 percent cotton.....	3,166	65,425	3,237	76,067
2211B 62	Weighing 5.9 ounces or less per square yard.....	2,577	51,102	2,688	62,240
	Weighing more than 5.9 ounces per square yard.....	589	14,323	549	13,827
2211B 64	Blanketing.....	441	8,877	494	9,401
2211B 66	All other fabric.....	148	5,446	55	4,426
	85 percent or more spun polyester.....	157	7,699	178	7,558
2221D 64	Blanketing.....	(D)	(D)	(D)	(D)
2221D 66	All other fabric.....	(D)	(D)	(D)	(D)
	Chiefly spun polyester mixed with cotton.....	1,522	53,051	1,374	55,970
2221D 74	Weighing 5.0 ounces or less per square yard.....	1,312	48,271	1,314	54,222
2221D 76	Weighing more than 5.0 ounces per square yard.....	210	4,780	60	1,748
	Chiefly spun acrylic.....	229	11,127	299	10,631
2221D 82	Blanketing.....	(D)	(D)	(D)	(D)
2221D 84	All other fabric.....	(D)	(D)	(D)	(D)
2221D 86	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2221G 45	Spun/filament combinations.....	133	5,182	(D)	(D)

See footnotes at end of table.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS--Continued

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1988		Second quarter 1988	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
2211C 01	Blue denim.....	3,262	144,744	3,715	178,410
2211C 03	More than 50 percent cotton.....	3,211	142,397	3,687	176,517
2221E 03	Weighing 10.7 ounces or less per square yard.....	396	18,750	391	23,077
2221G 46	Weighing more than 10.7 ounces per square yard.....	2,815	123,647	3,296	153,440
	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211C 12	All other denim.....	600	20,809	924	38,663
2211C 14	More than 50 percent cotton.....	547	19,317	654	34,699
2221E 14	Weighing 10.7 ounces or less per square yard.....	166	3,822	139	4,220
2221G 48	Weighing more than 10.7 ounces per square yard.....	381	15,315	515	30,479
	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
	Spun filament combinations.....	(D)	(D)	(D)	(D)
2211C 22	Canton flannels.....	(D)	5,405	(D)	6,791
	All other twill weaves.....	8,646	232,281	8,560	247,896
2211C 32	More than 50 percent cotton.....	2,807	72,337	2,894	781,569
2211C 34	Weighing 5.9 ounces or less per square yards.....	<sup>a</sup> 1,024	<sup>a</sup> 24,138	1,050	24,046
2221E 22	Weighing more than 5.9 ounces per square yard.....	1,783	48,199	1,844	57,523
2221E 24	85 percent or more spun polyester.....	204	7,265	187	(D)
2221E 26	Chiefly spun polyester mixed with cotton.....	3,270	104,121	2,960	106,065
2221E 28	Weighing 5.0 ounces or less per square yard.....	540	11,718	522	13,301
2221G 39	Weighing more than 5.0 ounces per square yard.....	2,730	92,403	2,438	92,764
	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211D 05	Sateens.....	1,806	25,579	<sup>r</sup> 1,572	<sup>r</sup> 29,123
2211F 05	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221F 07	Chiefly spun polyester mixed with cotton.....	296	4,900	330	5,138
2221G 63	All other fabrics, 85 percent or more spun yarn.....	630	5,118	<sup>r</sup> 385	<sup>r</sup> 3,091
	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211D 12	Oxfords.....	940	39,227	1,104	42,401
2221F 12	More than 50 percent cotton.....	478	25,528	627	29,821
2221F 16	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221G 68	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	224	6,899	275	6,781
2211D 32	Birdseye diaper cloth.....	(D)	(D)	(D)	(D)
2211D 35	Huck and crash toweling.....	(D)	(D)	(D)	(D)
2211D 45	Table damask.....	758	12,657	<sup>r</sup> 934	<sup>r</sup> 19,814
2221F 33	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221F 36	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221G 82	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	-	-	-	-
2211D 52	Jacquard and dobby shirting fabrics.....	869	9,741	596	10,855
2221F 42	More than 50 percent cotton.....	525	6,618	(D)	(D)
2221F 44	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221G 84	All other fabric, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211D 62	All other weaves.....	6,520	120,664	7,068	133,837
2211D 64	More than 50 percent cotton.....	2,546	39,349	<sup>r</sup> 2,719	<sup>r</sup> 45,080
2221F 52	Weighing 5.9 ounces or less per square yard.....	1,047	18,383	886	17,851
2221F 54	Weighing more than 5.9 ounces per square yard.....	1,499	<sup>a</sup> 20,966	<sup>r</sup> 1,833	<sup>a</sup> 27,229
2221F 56	85 percent or more spun polyester.....	400	7,438	444	10,269
2221F 58	Chiefly spun polyester mixed with cotton.....	1,016	13,272	1,007	16,293
2221F 58	Weighing 5.0 ounces or less per square yard.....	645	9,193	650	11,072
2221F 58	Weighing more than 5.0 ounces per square yard.....	371	<sup>a</sup> 4,079	357	5,221
2221G 87	All other fabrics, 85 percent or more spun yarn.....	<sup>a</sup> 1,113	19,689	<sup>r</sup> 1,441	26,585
	Spun/filament combinations.....	1,445	40,916	<sup>r</sup> 1,457	<sup>r</sup> 35,610

Note: The percent of estimation of each item is indicated as follows ("See Description of Survey" in the text of the first and second quarter report, MQ22T(88)-1 and 2, issued February 1989, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.

<sup>1</sup>Yarn dyed print cloth is included with poplin and broadcloth to avoid disclosing figures for individual companies.



Table 5. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE FILAMENT YARN FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1988		Second quarter 1988	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	85 percent or more filament yarn fabrics.....	28,275	1,332,514	28,131	1,381,405
	High tenacity yarn fabrics.....	956	21,927	1,092	28,104
22218 01	100 percent and chiefly rayon.....	463	4,860	458	5,096
2221C 01	100 percent and chiefly nylon.....	308	9,685	405	13,283
2221C 03	100 percent and chiefly polyester.....	185	7,382	229	9,725
	85 percent or more acetate or triacetate filament yarn fabrics.....	17,202	1,128,326	17,116	1,132,357
	Weighing not more than 5 ounces per square yard.....	15,094	1,115,087	15,942	1,117,696
22218 21	Plain weave.....	3,691	164,131	3,581	167,052
2221B 23	Other weaves.....	12,403	1,50,956	12,361	1,50,644
	Weighing more than 5 ounces per square yard.....	1,108	13,239	1,174	14,661
22218 25	Plain weave.....	(D)	(D)	(D)	(D)
22218 27	Other weaves.....	(D)	(D)	(D)	(D)
	85 percent or more rayon filament yarn fabrics.....	(1)	(1)	(1)	(1)
22218 41	Weighing not more than 5 ounces per square yard.....	(1)	(1)	(1)	(1)
22218 43	Weighing more than 5 ounces per square yard.....	(1)	(1)	(1)	(1)
	Other chiefly rayon and/or acetate filament yarn fabrics.....	2,386	39,767	2,214	38,500
22218 51	Weighing not more than 5 ounces per square yard.....	419	5,710	437	6,927
22218 53	Weighing more than 5 ounces per square yard.....	(S)	(S)	1,777	31,573
	85 percent or more nylon filament yarn fabrics.....	4,310	101,052	4,039	109,383
2221C 11	Typewriter and other impression fabrics.....	990	21,865	1,078	27,527
	Other 85 percent or more nylon filament yarn fabrics.....	3,320	79,187	2,961	81,856
	Weighing not more than 5 ounces per square yard.....	2,307	68,514	2,398	71,221
2221C 13	Flat, non-textured.....	2,111	63,665	2,183	65,437
2221C 15	All other.....	196	4,849	215	5,784
	Weighing more than 5 ounces per square yard.....	1,013	10,673	563	10,635
2221C 23	Flat, non-textured.....	916	6,662	446	16,147
2221C 25	All other.....	97	4,011	117	4,488
	Other chiefly nylon filament fabrics.....	97	949	116	1,068
2221C 31	Weighing not more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)
2221C 33	Weighing more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)
	85 percent or more polyester filament yarn fabrics.....	6,787	209,152	6,902	204,890
	Textured.....	4,077	149,045	4,109	142,251
2221C 44	Weighing not more than 5 ounces per square yard <sup>2</sup> .....	1,966	51,729	2,065	52,105
2221C 43	Flat.....	(D)	(D)	(D)	(D)
2221C 45	Other.....	(D)	(D)	(D)	(D)
2221C 50	Weighing more than 5 ounces per square yard <sup>2</sup> .....	2,111	97,316	2,044	90,146
	Non-textured.....	2,710	60,107	2,793	62,639
2221C 62	Weighing not more than 5 ounces per square yard <sup>2</sup> .....	2,113	45,269	2,087	46,159
2221C 66	Weighing more than 5 ounces per square yard <sup>2</sup> .....	597	14,838	706	16,480
2221C 73	Other chiefly polyester filament fabrics.....	143	3,276	150	2,639
	Glass fiber fabrics.....	2,335	99,063	2,311	107,071
2221C 82	Woven roving and screening.....	91	7,334	91	7,333
2221C 89	All other glass fiber fabrics.....	2,244	91,729	2,220	99,738
	All other 85 percent or more filament yarn fabrics, including saran and olefin and fabrics obtained from strip, except rayon and/or acetate.....	4,059	729,002	4,191	785,497
2221C 91	Carpet backing.....	2,871	658,784	2,832	718,094
2221C 93	All other.....	1,188	70,218	1,359	67,403

Note: The percent of estimation of each item is indicated as follows ("See Description of Survey" in the text of the first and second quarter report, MQ22T(88)-1 and 2, issued February 1989, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.  
(S) Suppressed. Data did not meet publication standards of the Bureau of the Census.

<sup>1</sup>Included with 85 percent or more acetate or triacetate filament yarn fabric to avoid disclosing figures for individual companies.  
<sup>2</sup>Classified on a finished weight basis.



Table 6. PRODUCTION AND LOOM ASSIGNMENT OF UPHOLSTERY FABRICS  
(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1988		Second quarter 1988	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Upholstery fabrics.....	4,263	72,240	4,723	80,950
	85 percent or more spun yarn and spin filament combinations.....	3,521	56,172	3,937	62,100
	Pile woven.....	1,043	14,709	1,395	21,212
2211E 41	All cotton and chiefly cotton.....	a393	a1,218	(S)	(S)
2221H 41	All manmade and chiefly manmade.....	650	13,491	884	18,495
	Flat woven.....	2,478	41,463	r2,542	40,888
2211X 01	All cotton and chiefly cotton.....	466	10,729	495	11,286
	All manmade and chiefly manmade.....	2,012	30,734	r2,047	29,602
2221X 01	Olefin.....	487	9,654	r484	8,476
2221X 03	All other flat woven manmade fiber fabrics.....	1,525	21,080	1,563	r21,126
	85 percent or more filament yarn.....	742	16,068	786	18,850
2221C 77	All polyester and chiefly polyester.....	b198	b4,360	h222	h4,422
2221C 78	All nylon and chiefly nylon.....	a57	a1,676	a58	1,421
2221C 98	All olefin and chiefly olefin.....	b388	b7,690	b345	b10,264
2221C 99	All other filament fiber fabrics.....	99	2,342	161	2,743

Note: These data are included in the data shown in tables 4, 5 and 8.

See footnotes at end of table 7.

Table 7. PRODUCTION AND LOOM ASSIGNMENT OF WOOLEN AND WORSTED FABRICS,  
INCLUDING CHIEFLY MANMADE/WOOL BLENDS AND CHIEFLY COTTON/WOOL BLENDS  
(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1988		Second quarter 1988	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Woolen and worsted fabrics, 36 percent or more wool (except felts) <sup>1</sup> .....	2,266	43,003	2,319	53,006
	Apparel fabrics, including government orders.....	2,071	39,692	2,174	50,306
	Worsted fabrics.....	1,041	23,959	1,140	29,695
22312 01	Weighing not more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)
22312 02	Weighing more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)
	Woolen fabrics.....	1,030	15,733	1,034	20,611
22312 21	Weighing not more than 9 ounces per square yard.....	(D)	(D)	(D)	(D)
22312 23	Weighing more than 9 ounces per square yard.....	(D)	(D)	(D)	(D)
	Nonapparel fabrics, including government orders (except felts).....	195	3,311	r145	2,700
22312 62	Blanketing, including thermal.....	39	796	r39	795
22312 85	All other fabrics.....	156	2,515	r106	1,905
22312 92	Woven felts (thousands of pounds).....	173	b1,452	175	b1,723
	Chiefly manmade/wool blend and chiefly cotton/wool blend fabrics.....	(D)	(D)	(D)	(D)
2221H 22	Chiefly spun polyester mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)
2221H 21	All other chiefly spun fibers mixed mainly or solely with wool.....	(D)	(D)	-	-
2221C 92	Chiefly filament polyester mixed mainly or solely with wool or spun polyester/wool blends.....	(D)	(D)	(D)	(D)
2221C 98	All other chiefly filament yarn mixed mainly or solely with wool...	(D)	(D)	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first and second quarter report, M022T(88)-1 and 2, issued February 1989, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures. (S) Suppressed. Data did not meet publication standards of the Bureau of the Census.

<sup>1</sup>Includes fabrics 36 percent or more or reprocessed wool by weight. 1986 and prior years include fabrics 50 percent or more wool or reprocessed wool by weight.



Table 8. PRODUCTION AND LOOM ASSIGNMENT OF PILE FABRICS  
(INCLUDES YARN DYED FABRIC)

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1988		Second quarter 1988	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Pile fabrics.....	7,855	123,856	<sup>r</sup> 8,647	134,983
	Corduroy.....	1,228	17,552	1,307	21,273
	More than 50 percent cotton.....	1,228	17,552	1,307	21,273
2211E 01	Finewales and pinwales.....	569	6,643	540	7,588
2211E 03	Midwales.....	(D)	(D)	(D)	(D)
2211E 05	Thicksets.....	(D)	(D)	(D)	(D)
2211E 07	Widewales and other.....	466	7,780	627	10,342
2221H 01	Chiefly manmade fiber.....	-	-	-	-
	Velvets, plushes, and other pile fabrics.....	891	14,341	944	15,519
2211E 21	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221H 11	Chiefly manmade fiber.....	(D)	(D)	(D)	(D)
	Terry cloth and terry toweling.....	5,736	91,963	<sup>r</sup> 6,396	<sup>r</sup> 98,191
2211E 32	Terry toweling.....	5,616	88,684	<sup>r</sup> 6,287	<sup>r</sup> 95,787
2211E 34	Terry cloth.....	120	3,279	109	2,404

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.

Table 9. PRODUCTION OF TIRE CORD AND TIRE CORD FABRICS

(Thousands of pounds)

Product code	Product description	Production during quarter	
		Third quarter 1988	Second quarter 1988
22960 00	Tire cord and tire cord fabrics.....	129,061	124,931
22960 12	Cotton tire cord and tire cord fabrics.....	-	-
22960 32	Rayon tire cord and tire cord fabrics.....	2,730	1,789
22960 35	Nylon tire cord and tire cord fabrics.....	41,316	46,041
22960 37	Polyester tire cord and tire cord fabrics.....	35,402	31,929
22960 38	Glass tire cord and tire cord fabrics.....	381	650
22960 45	Steel tire cord.....	44,820	40,008
22960 51	All other tire cord and tire cord fabrics including chafer.....	4,412	4,514

- Represents zero.

Table 10. LOOMS IN PLACE AND LOOM HOURS OPERATED IN BROADWOVEN FABRIC MILLS

Product description	Third quarter 1988		Second quarter 1988	
	Looms in place (number)	Thousands of loom hours operated	Looms in place (number)	Thousands of loom hours operated
Total.....	134,775	226,565	137,132	240,370
Shuttle type looms.....	69,926	105,367	71,879	120,519
Single shuttle cam looms.....	47,688	74,495	48,775	86,637
Single shuttle dobby looms.....	13,294	20,582	13,588	22,475
Multiple shuttle box or head motion looms.....	5,222	6,326	5,331	6,760
Double shuttle pile and plush, and jacquard looms.....	3,722	3,964	<sup>r</sup> 4,185	<sup>r</sup> 4,647
Shuttleless looms and weaving machines.....	64,849	121,198	65,253	119,851
Single filling insertion capability.....	38,861	68,472	40,184	74,218
Air jet looms.....	11,873	20,661	<sup>r</sup> 11,849	22,242
Water jet looms.....	6,133	10,957	6,053	11,111
Projectile looms.....	14,628	26,195	15,689	29,426
Rapier looms.....	6,227	10,659	<sup>r</sup> 6,598	<sup>r</sup> 11,439
Multiple filling insertion capability.....	25,406	51,537	24,443	44,692
Air jet looms.....	2,082	3,129	2,042	3,562
Water jet looms.....	210	321	210	389
Projectile looms.....	10,847	20,323	10,189	20,770
Rapier looms.....	12,267	20,965	12,002	19,971
Pile and plush looms.....	582	1,189	621	941

<sup>r</sup>Revised by 5 percent or more from previously published figures.



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DEPOSITORY**Broadwoven Fabrics (Gray)**

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The statistics in this publication are based on a survey of manufactures and represent total U.S. production of broadwoven fabrics over 12 inches. Estimates are included for companies whose reports were not received in time

for tabulation. A description of the survey methodology and related information appears in the first and second quarter report, MQ22T(88)-1 and 2, issued February 1989.

This report is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100.

Table 1. SUMMARY OF PRODUCTION OF BROADWOVEN GRAY FABRICS, BY TYPE OF FABRIC: 1983 TO 1988

(Millions of square yards)

Year	Chiefly cotton fabrics	Manmade fiber fabrics, including silk and manmade/wool blends	Chiefly wool fabric	Tire cord and tire cord fabrics
1988				
Fourth quarter.....	1,014.8	2,771.9	43.9	125.3
Third quarter.....	1,047.5	2,661.1	43.0	129.1
Second quarter.....	1,208.3	2,796.2	53.0	124.9
First quarter.....	1,232.6	2,870.9	50.6	128.6
1987				
Fourth quarter.....	1,178.2	2,945.9	40.9	126.8
Third quarter.....	1,219.1	2,787.7	36.0	122.1
Second quarter.....	1,216.9	2,764.0	45.9	121.9
First quarter.....	1,158.0	2,736.7	46.0	124.5
1986				
Fourth quarter.....	1,129.3	2,785.4	30.2	116.0
Third quarter.....	1,095.2	2,561.5	27.8	105.9
Second quarter.....	1,102.6	2,659.8	41.2	108.8
First quarter.....	1,037.0	2,757.5	40.2	112.8
1985				
Fourth quarter.....	955.4	2,696.4	34.0	112.2
Third quarter.....	933.0	2,652.6	24.3	107.9
Second quarter.....	1,001.7	2,685.7	39.5	129.5
First quarter.....	1,030.3	2,761.9	40.6	145.9
1984				
Fourth quarter.....	955.2	2,878.2	36.7	143.0
Third quarter.....	946.6	2,921.5	29.7	135.4
Second quarter.....	1,031.5	3,026.3	44.3	146.3
First quarter.....	1,068.8	3,026.4	48.6	139.9
1983				
Fourth quarter.....	1,040.2	3,142.9	37.0	144.2
Third quarter.....	1,032.4	2,801.4	28.8	136.2
Second quarter.....	1,052.0	2,826.9	41.8	134.3
First quarter.....	1,067.5	2,689.5	36.0	128.0

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Judy Dodds, (301) 763-7536.

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Table 2. SUMMARY OF PRODUCTION AND LODM ASSIGNMENTS OF BRADWDVEN GRAY FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1988		Third quarter 1988		Production, year-to-date (M sq. yards)
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)	
	Cotton and chiefly cotton fabrics mixed mainly or solely with manmade fibers.....	39,138	1,014,770	41,657	1,047,538	4,503,276
2211B 00	Plain weaves.....	20,713	597,969	22,582	604,593	2,550,368
2211C 00	Twill weaves.....	6,596	216,143	6,929	239,276	1,081,418
2211D 00	All other weaves except pile.....	5,040	92,526	5,117	93,485	412,748
2211E 00	Pile fabrics.....	6,789	108,132	7,029	110,184	458,742
	Chiefly cotton fabrics mixed mainly or solely with other than manmade fibers.....	(D)	(D)	(D)	(D)	(D)
	Manmade fiber and silk gray broadwoven fabrics.....	77,331	2,771,862	80,608	2,661,129	11,154,281
2221B 00	85 percent or more filament rayon and/or acetate fabrics.....	9,618	176,678	10,129	175,390	691,354
2221C 00	85 percent or more filament fabrics, except rayon and/or acetate.....	18,196	1,291,166	18,093	1,155,071	5,023,884
	85 percent or more spun yarn fabrics, except wool blends.....	41,245	1,036,532	43,936	1,051,375	4,350,754
2221D 00	Plain weave, except pile.....	32,138	827,158	34,486	837,935	3,443,827
2221E 00	Twill weave, except pile.....	4,491	130,935	4,936	137,803	574,361
2221F 00	All other weaves, except pile.....	4,616	78,439	4,514	75,637	332,566
2221G 00	Spun/filament yarn combinations.....	(D)	(D)	(D)	(D)	(D)
2221H 10	Pile fabrics.....	837	15,053	(D)	(D)	(D)
2221H 29	All other chiefly manmade fiber fabrics, including chiefly manmade fiber blends with wool.....	(D)	(D)	(D)	(D)	(D)
2221H 28	Silk fabrics.....	(D)	(D)	(D)	(D)	(D)
	Woolen and worsted fabrics.....	2,139	43,906	2,243	42,966	194,353

(D) Data withheld to avoid disclosing figures for individual companies.

† Revised by 5 percent or more from previously published figures.

Table 3. PRODUCTION OF BROADWOVEN FABRIC BY TEXTILE CATEGORY: 1988

(Thousands of square yards)

Product description	Production during quarter		Production year-to-date
	Fourth quarter 1988	Third quarter 1988	
Blue denim.....	123,977	144,744	656,042
All other yarn dyed fabric, except pile.....	111,523	107,396	488,330
Plain weave.....	42,511	35,907	151,827
Twill weave.....	16,504	18,114	112,112
All other weave.....	52,508	53,375	224,391
Cheesecloth and batistes.....	340,432	335,398	1,409,296
Duck.....	(D)	(D)	(D)
Oxfords.....	14,407	16,599	64,451
Pile fabrics.....	123,185	123,856	507,074
Special weave fabric.....	88,230	84,922	367,572
Other fabrics, chiefly cotton fiber:			
Print cloth.....	89,967	100,868	434,674
Poplin and broadcloth.....	44,061	44,539	181,496
Sheeting.....	138,063	125,294	598,036
Twills.....	78,772	80,165	330,389
Sateens.....	4,377	4,208	23,392
Other fabrics, chiefly manmade fiber:			
Manmade/wool blends.....	(D)	(D)	(D)
85 percent or more filament yarn fabrics:			
Typewriter fabric.....	23,300	21,865	101,308
Other nylon.....	80,827	89,785	368,825
Rayon and acetate.....	176,678	175,390	690,926
Polyester.....	198,710	218,360	840,326
Glass fiber.....	100,727	96,201	437,340
All other.....	887,602	728,860	3,222,627
85 percent or more spun yarn fabrics:			
Print cloth.....	241,840	260,376	1,062,868
Poplin and broadcloth.....	173,405	180,567	737,596
Sheeting.....	320,130	304,030	1,307,970
Twills and sateens.....	140,995	146,421	605,925
Spun filament combinations except blue denim:			
Print cloth.....	82,786	88,264	315,951
Poplin and broadcloth.....	30,329	32,160	143,673
Sheeting.....	36,823	42,564	183,884
Twills and sateens.....	41,461	35,151	153,114
Other.....	54,259	59,846	211,280
Wool fabrics.....	43,906	42,966	190,436
Silk fabrics.....	(D)	(D)	(D)

(D) Data withheld to avoid disclosing figures for individual companies.

† Revised by 5 percent or more from previously published figures.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1988		Third quarter 1988	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
2211B 02	Tobacco, cheese, and bandage cloth.....	5,593	336,968	5,822	331,097
2221D 04	More than 50 percent cotton.....	4,930	284,098	5,018	274,305
2221D 08	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221D 18	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2221G 04	Spun-filament combinations.....	(D)	(D)	(D)	(D)
2211B 12	Print cloth.....	<sup>1</sup> 20,716	<sup>1</sup> 414,593	<sup>1</sup> 23,431	<sup>1</sup> 449,508
2221D 14	More than 50 percent cotton.....	6,610	89,967	7,558	100,868
2221D 16	Chiefly spun polyester mixed with cotton.....	7,466	168,565	8,330	183,796
2221D 18	Chiefly spun polyester mixed with rayon.....	4,132	61,265	<sup>r</sup> 4,132	<sup>r</sup> 60,283
2221D 07	All other fabrics, 85 percent or more spun yarn.....	1,521	12,010	<sup>1</sup> 1,054	<sup>1</sup> 16,297
2221G 07	Spun/filament combinations.....	1,987	82,786	2,357	88,264
2211B 22	Poplin and broadcloth.....	<sup>1</sup> 10,085	<sup>1</sup> 285,941	<sup>1</sup> 9,685	<sup>1</sup> 289,230
2211B 26	More than 50 percent cotton.....	2,367	57,691	2,388	52,586
2211B 32	Weighing 5.9 ounces or less per square yard.....	2,005	40,835	2,056	38,073
2211B 36	Carded.....	1,135	17,885	1,112	18,234
2221D 26	Combed.....	870	22,950	944	19,839
2221D 28	Weighing more than 5.9 ounces per square yard.....	362	16,856	332	14,513
2221D 32	Carded.....	(D)	(D)	(D)	(D)
2221D 34	Combed.....	(D)	(D)	(D)	(D)
2221D 36	Chiefly spun polyester mixed with cotton.....	6,078	172,577	5,748	181,425
2221D 43	Weighing 5.0 ounces or less per square yard.....	5,297	143,102	4,878	146,614
2221D 44	Carded.....	3,995	91,232	3,654	89,205
2221D 45	Combed.....	1,302	51,870	1,224	57,409
2221D 46	Weighing more than 5.0 ounces per square yard.....	781	29,475	870	34,811
2221D 47	Carded.....	164	8,807	199	7,442
2221D 48	Combed.....	617	20,668	671	27,369
2221D 49	All other fabrics, 85 percent or more spun yarn.....	1,902	25,344	1,862	23,059
2221G 49	Spun/filament combinations.....	738	30,329	687	32,160
2221D 51	Lawn, voiles, and batistes.....	986	13,059	1,248	18,165
2221D 53	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221D 55	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221D 57	All other fabrics, 85 percent or more spun yarn.....	-	-	-	(D)
2221G 57	Spun/filament combinations.....	-	-	(D)	(D)
2211B 72	Duck, including taped warp duck.....	558	15,762	763	17,762
2221D 72	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221D 78	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221D 82	All other fabrics, 85 percent or more spun yarn.....	218	7,402	218	6,599
2221G 82	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211B 51	Bedsheeting.....	13,843	385,225	14,952	365,070
2221D 51	More than 50 percent cotton.....	3,735	103,232	3,803	102,852
2221D 53	Chiefly spun polyester mixed with cotton.....	9,378	249,449	10,322	224,836
2221D 55	Carded.....	1,350	61,320	1,284	46,759
2221D 57	Combed.....	8,028	188,129	9,038	178,077
2221G 53	All other fabrics, 85 percent or more spun yarn.....	-	-	-	-
2221G 53	Spun/filament combinations.....	730	32,544	827	37,382
2211B 62	All other sheeting, including osnaburgs.....	4,807	136,775	5,418	151,383
2221D 62	More than 50 percent cotton.....	2,737	58,400	3,101	63,943
2221D 64	Weighing 5.9 ounces or less per square yard.....	2,218	46,489	2,577	51,102
2221D 66	Weighing more than 5.9 ounces per square yard.....	519	11,911	<sup>r</sup> 524	<sup>r</sup> 12,841
2221D 68	Blanketing.....	371	6,492	<sup>r</sup> 376	<sup>r</sup> 7,395
2221D 70	All other fabric.....	148	5,419	148	5,446
2221D 72	85 percent or more spun polyester.....	156	4,805	157	7,699
2221D 74	Blanketing.....	(D)	(D)	(D)	(D)
2221D 76	All other fabric.....	(D)	(D)	(D)	(D)
2221D 78	Chiefly spun polyester mixed with cotton.....	1,346	52,331	1,522	53,051
2221D 80	Weighing 5.0 ounces or less per square yard.....	1,227	48,732	1,312	48,271
2221D 82	Weighing more than 5.0 ounces per square yard.....	119	3,599	210	4,780
2221D 84	Chiefly spun acrylic.....	(D)	(D)	(D)	(D)
2221D 86	Blanketing.....	(D)	(D)	(D)	(D)
2221D 88	All other fabric.....	(D)	(D)	(D)	(D)
2221D 90	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2221G 45	Spun/filament combinations.....	141	4,279	133	5,182

See footnotes at end of table.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND FLE FABRICS--Continued

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1988		Third quarter 1988	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
2211C 01	Blue denim.....	3,060	123,977	3,262	144,744
2211C 03	More than 50 percent cotton.....	3,016	122,250	3,211	142,397
2221E 06	Weighing 10.7 ounces or less per square yard.....	370	15,349	396	18,750
2221G 43	Weighing more than 10.7 ounces per square yard.....	2,646	106,901	2,815	123,647
2221G 03	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221G 46	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211C 12	All other denim.....	620	18,374	600	20,809
2211C 14	More than 50 percent cotton.....	583	17,137	547	19,137
2221E 14	Weighing 10.7 ounces or less per square yard.....	104	3,639	166	3,822
2221G 48	Weighing more than 10.7 ounces per square yard.....	479	13,498	381	15,315
2211C 22	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
	Spun filament combinations.....	(D)	(D)	(D)	(D)
	Canton flannels.....	385	5,635	364	5,405
2211C 32	All other twill weaves.....	8,005	227,226	8,646	232,281
2211C 34	More than 50 percent cotton.....	2,612	71,121	2,807	72,337
2221E 22	Weighing 5.9 ounces or less per square yards.....	8969	24,981	1,024	24,138
2221E 24	Weighing more than 5.9 ounces per square yard.....	1,643	46,140	1,783	48,199
2221E 26	85 percent or more spun polyester.....	97	4,753	204	7,265
2221E 28	Chiefly spun polyester mixed with cotton.....	3,040	101,522	3,270	104,121
2221E 30	Weighing 5.0 ounces or less per square yard.....	483	9,819	540	11,718
2221E 32	Weighing more than 5.0 ounces per square yard.....	2,557	91,703	2,730	92,403
2221G 38	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2221G 39	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211D 05	Sateens.....	1,831	30,394	1,806	25,564
2211F 05	More than 50 percent cotton.....	412	4,377	(D)	(D)
2221F 07	Chiefly spun polyester mixed with cotton.....	346	6,510	296	4,900
2221G 63	All other fabrics, 85 percent or more spun yarn.....	612	4,933	630	5,118
	Spun/filament combinations.....	461	14,574	(D)	(D)
2211D 12	Oxfords.....	813	34,460	940	39,227
2221F 12	More than 50 percent cotton.....	429	22,599	478	25,528
2221F 16	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221G 68	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	210	5,862	224	6,899
2211D 32	Birdseye diaper cloth.....	(D)	(D)	(D)	(D)
2211D 35	Huck and crash toweling.....	(D)	(D)	(D)	(D)
2211D 45	Table damask.....	735	13,838	758	12,657
2221F 33	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221F 36	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221G 82	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	-	-	-	-
2211D 52	Jacquard and dobby shirting fabrics.....	720	9,456	869	9,741
2221F 42	More than 50 percent cotton.....	324	6,358	525	6,618
2221F 44	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221G 84	All other fabric, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211D 62	All other weaves.....	7,126	122,714	6,587	120,655
2211D 64	More than 50 percent cotton.....	2,720	41,026	2,546	39,349
2221F 52	Weighing 5.9 ounces or less per square yard.....	1,203	19,460	1,047	18,383
2221F 54	Weighing more than 5.9 ounces per square yard.....	<sup>a</sup> 1,517	<sup>b</sup> 21,566	1,499	20,966
2221F 56	85 percent or more spun polyester.....	428	7,966	400	7,438
2221F 58	Chiefly spun polyester mixed with cotton.....	959	12,905	1,016	13,272
2221F 60	Weighing 5.0 ounces or less per square yard.....	627	8,845	645	9,193
2221F 62	Weighing more than 5.0 ounces per square yard.....	332	<sup>a</sup> 4,060	371	<sup>a</sup> 4,079
2221F 64	All other fabrics, 85 percent or more spun yarn.....	1,439	26,057	<sup>a</sup> 1,303	<sup>r</sup> 25,089
2221G 87	Spun/filament combinations.....	1,580	34,760	<sup>r</sup> 1,322	<sup>r</sup> 35,507

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first and second quarter report, MQ22T(88)-1 and 2, issued February 1989, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.

<sup>1</sup>Yarn dyed print cloth is included with poplin and broadcloth to avoid disclosing figures for individual companies.



Table 5. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE FILAMENT YARN FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1988		Third quarter 1988	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	85 percent or more filament yarn fabrics.....	27,824	1,467,993	28,232	1,330,608
	High tenacity yarn fabrics.....	939	19,863	956	21,927
2221B 01	100 percent and chiefly rayon.....	453	4,691	463	4,860
2221C 01	100 percent and chiefly nylon.....	295	7,635	308	9,685
2221C 03	100 percent and chiefly polyester.....	191	7,537	185	7,382
	85 percent or more acetate or triacetate filament yarn fabrics.....	7,193	<sup>1</sup> 134,109	<sup>1</sup> 7,280	<sup>1</sup> 130,763
	Weighing not more than 5 ounces per square yard.....	6,098	<sup>1</sup> 120,643	<sup>1</sup> 6,172	<sup>1</sup> 117,524
2221B 21	Plain weaves.....	3,732	<sup>1</sup> 69,777	<sup>1</sup> 3,769	<sup>1</sup> 66,568
2221B 23	Other weaves.....	<sup>1</sup> 2,366	<sup>1</sup> 50,866	<sup>1</sup> 2,403	<sup>1</sup> 50,956
	Weighing more than 5 ounces per square yard.....	1,095	<sup>1</sup> 13,466	<sup>1</sup> 1,108	<sup>1</sup> 13,239
2221B 25	Plain weaves.....	(D)	(D)	(D)	(D)
2221B 27	Other weaves.....	(D)	(D)	(D)	(D)
	85 percent or more rayon filament yarn fabrics.....	(1)	(1)	(1)	(1)
2221B 41	Weighing not more than 5 ounces per square yard.....	(1)	(1)	(1)	(1)
2221B 43	Weighing more than 5 ounces per square yard.....	(1)	(1)	(1)	(1)
	Other chiefly rayon and/or acetate filament yarn fabrics.....	1,972	37,878	2,386	39,767
2221B 51	Weighing not more than 5 ounces per square yard.....	424	<sup>b</sup> 7,119	419	<sup>b</sup> 5,710
2221B 53	Weighing more than 5 ounces per square yard.....	1,548	<sup>b</sup> 30,759	1,967	<sup>b</sup> 34,057
	85 percent or more nylon filament yarn fabrics.....	4,227	95,592	4,294	101,016
2221C 11	Typewriter and other impression fabrics.....	951	23,300	990	21,865
	Other 85 percent or more nylon filament yarn fabrics.....	3,276	72,292	3,304	79,151
	Weighing not more than 5 ounces per square yard.....	2,470	61,858	2,291	68,478
2221C 13	Flat, non-textured.....	2,270	56,906	2,095	63,629
2221C 15	All other.....	200	4,952	196	4,849
	Weighing more than 5 ounces per square yard.....	806	10,434	1,013	10,673
2221C 23	Flat, non-textured.....	698	6,883	916	6,662
2221C 25	All other.....	108	3,551	97	4,011
	Other chiefly nylon filament fabrics.....	142	900	97	949
2221C 31	Weighing not more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)
2221C 33	Weighing more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)
	85 percent or more polyester filament yarn fabrics.....	6,779	188,007	6,674	207,702
2221C 44	Textured.....	3,775	137,484	3,968	147,616
	Weighing not more than 5 ounces per square yard <sup>2</sup> .....	1,958	49,721	1,966	51,729
2221C 43	Flat.....	(D)	(D)	(D)	(D)
2221C 45	Other.....	(D)	(D)	(D)	(D)
2221C 50	Weighing more than 5 ounces per square yard <sup>2</sup> .....	1,817	87,763	2,002	95,887
	Non-textured.....	3,004	50,523	2,706	60,086
2221C 62	Weighing not more than 5 ounces per square yard <sup>2</sup> .....	2,336	35,835	2,113	45,269
2221C 66	Weighing more than 5 ounces per square yard <sup>2</sup> .....	668	14,688	593	14,817
2221C 73	Other chiefly polyester filament fabrics.....	143	<sup>a</sup> 3,166	143	3,276
	Glass fiber fabrics.....	2,428	100,694	2,372	96,201
2221C 82	Woven roving and screening.....	92	8,198	91	8,021
2221C 89	All other glass fiber fabrics.....	2,336	<sup>b</sup> 92,496	2,281	<sup>b</sup> 88,180
	All other 85 percent or more filament yarn fabrics, including saran and olefin and fabrics obtained from strip, except rayon and/or acetate.....	4,001	887,784	4,030	729,007
2221C 91	Carpet backing.....	2,866	814,200	2,845	658,784
2221C 93	All other.....	1,135	<sup>a</sup> 73,584	1,185	<sup>b</sup> 70,223

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first and second quarter report, MQ22T(88)-1 and 2, issued February 1989, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>r</sup>Revised by 5 percent or more from previously published figures.<sup>1</sup>Included with 85 percent or more acetate or triacetate filament yarn fabric to avoid disclosing figures for individual companies.<sup>2</sup>Classified on a finished weight basis.



Table 6. PRODUCTION AND LOOM ASSIGNMENT OF UPHOLSTERY FABRICS  
(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1988		Third quarter 1988	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Upholstery fabrics.....	4,561	86,164	4,459	<sup>r</sup> 79,123
	85 percent or more spun yarn and spin filament combinations.....	3,841	68,850	<sup>r</sup> 3,717	<sup>r</sup> 63,726
	Pile woven.....	1,270	20,449	<sup>r</sup> 1,233	<sup>r</sup> 20,109
2211E 41	All cotton and chiefly cotton.....	407	<sup>a</sup> 1,434	<sup>a</sup> 393	<sup>a</sup> 1,218
2221H 41	All manmade and chiefly manmade.....	863	19,015	<sup>r</sup> 840	<sup>r</sup> 18,891
	Flat woven.....	2,571	48,401	2,484	43,617
2211X 01	All cotton and chiefly cotton.....	477	12,749	472	<sup>r</sup> 12,210
	All manmade and chiefly manmade.....	2,094	35,652	2,012	31,407
2221X 01	Olefin.....	481	8,715	487	9,654
2221X 03	All other flat woven manmade fiber fabrics.....	<sup>a</sup> 1,613	<sup>a</sup> 26,937	1,525	21,753
	85 percent or more filament yarn.....	720	17,312	742	15,397
2221C 77	All polyester and chiefly polyester.....	<sup>b</sup> 235	<sup>b</sup> 5,362	<sup>b</sup> 198	<sup>b</sup> 4,360
2221C 78	All nylon and chiefly nylon.....	<sup>a</sup> 41	<sup>b</sup> 1,424	<sup>a</sup> 57	<sup>a</sup> 1,676
2221C 98	All olefin and chiefly olefin.....	<sup>b</sup> 362	<sup>b</sup> 8,097	<sup>b</sup> 388	<sup>b</sup> 7,019
2221C 99	All other filament fiber fabrics.....	<sup>b</sup> 82	<sup>b</sup> 2,429	99	2,342

Note: These data are included in the data shown in tables 4, 5 and 8.

See footnotes at end of table 7.

Table 7. PRODUCTION AND LOOM ASSIGNMENT OF WOOLEN AND WORSTED FABRICS,  
INCLUDING CHIEFLY MANMADE/WOOL BLENDS AND CHIEFLY COTTON/WOOL BLENDS  
(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1988		Third quarter 1988	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Woolen and worsted fabrics, 36 percent or more wool (except felts) <sup>1</sup> .....	2,139	43,906	2,243	42,966
	Apparel fabrics, including government orders.....	1,984	41,268	2,048	39,655
	Worsted fabrics.....	1,001	24,779	1,015	23,922
22312 01	Weighing not more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)
22312 02	Weighing more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)
	Woolen fabrics.....	983	16,489	1,033	15,733
22312 21	Weighing not more than 9 ounces per square yard.....	(D)	(D)	(D)	(D)
22312 23	Weighing more than 9 ounces per square yard.....	(D)	(D)	(D)	(D)
	Nonapparel fabrics, including government orders (except felts)....	155	2,638	195	3,311
22312 62	Blanketing, including thermal.....	27	826	39	796
22312 85	All other fabrics.....	128	1,812	156	2,515
22312 92	Woven felts (thousands of pounds).....	154	<sup>a</sup> 1,286	<sup>r</sup> 159	<sup>b</sup> 1,452
	Chiefly manmade/wool blend and chiefly cotton/wool blend fabrics.....	(D)	(D)	(D)	(D)
2221H 22	Chiefly spun polyester mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)
2221H 21	All other chiefly spun fibers mixed mainly or solely with wool....	(D)	(D)	(D)	(D)
2221C 92	Chiefly filament polyester mixed mainly or solely with wool or spun polyester/wool blends.....	(D)	(D)	(D)	(D)
2221C 98	All other chiefly filament yarn mixed mainly or solely with wool...	(D)	(D)	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first and second quarter report, MQ22T(88)-1 and 2, issued February 1989, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>r</sup>Revised by 5 percent or more from previously published figures.



Table 8. PRODUCTION AND LOOM ASSIGNMENT OF PILE FABRICS  
(INCLUDES YARN DYED FABRIC)

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1988		Third quarter 1988	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Pile fabrics.....	7,626	123,185	7,855	123,856
	Corduroy.....	<sup>1</sup> 1,021	<sup>1</sup> 17,548	1,228	17,552
	More than 50 percent cotton.....	<sup>1</sup> 1,021	<sup>1</sup> 17,548	1,228	17,552
2211E 01	Finewales and pinwales.....	241	6,293	569	6,643
2211E 03	Midwales.....	(D)	(D)	(D)	(D)
2211E 05	Thicksets.....	(D)	(D)	(D)	(D)
2211E 07	Widewales and other.....	<sup>1</sup> 496	<sup>1</sup> 7,370	466	7,780
2221H 01	Chiefly manmade fiber.....	-	-	-	-
	Velvets, plushes, and other pile fabrics.....	( <sup>1</sup> )	( <sup>1</sup> )	891	14,341
2211E 21	More than 50 percent cotton.....	( <sup>1</sup> )	( <sup>1</sup> )	(D)	(D)
2221H 11	Chiefly manmade fiber.....	837	15,053	(D)	(D)
	Terry cloth and terry toweling.....	5,768	90,584	5,736	91,963
2211E 32	Terry toweling.....	5,635	87,913	5,616	88,684
2211E 34	Terry cloth.....	133	2,671	120	3,279

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Data for cotton velvets and plushes are included with cotton corduroy, widewales and other, in order to avoid disclosing figures for individual companies.

Table 9. PRODUCTION OF TIRE CORD AND TIRE CORD FABRICS

(Thousands of pounds)

Product code	Product description	Production during quarter	
		Fourth quarter 1988	Third quarter 1988
22960 00	Tire cord and tire cord fabrics.....	125,340	129,061
22960 12	Cotton tire cord and tire cord fabrics.....	-	-
22960 32	Rayon tire cord and tire cord fabrics.....	<sup>b</sup> 2,491	2,730
22960 35	Nylon tire cord and tire cord fabrics.....	40,994	41,316
22960 37	Polyester tire cord and tire cord fabrics.....	33,982	35,402
22960 38	Glass tire cord and tire cord fabrics.....	514	381
22960 45	Steel tire cord.....	<sup>b</sup> 43,335	44,820
22960 51	All other tire cord and tire cord fabrics including chafer....	<sup>a</sup> 4,024	4,412

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first and second quarter report, MQ22T(88)-1 and 2, issued February 1989, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>35 percent or more of this item is estimated.

- Represents zero.

Table 10. LOOMS IN PLACE AND LOOM HOURS OPERATED IN BROADWOVEN FABRIC MILLS

Product description	Fourth quarter 1988		Third quarter 1988	
	Looms in place (number)	Thousands of loom hours operated	Looms in place (number)	Thousands of loom hours operated
Total.....	129,636	211,627	134,169	217,598
Shuttle type looms.....	65,455	100,481	69,700	105,383
Single shuttle cam looms.....	44,318	70,655	47,701	74,410
Single shuttle dobby looms.....	12,565	19,499	13,208	20,578
Multiple shuttle box or head motion looms.....	4,919	6,472	5,069	6,431
Double shuttle pile and plush, and jacquard looms.....	3,653	3,855	3,722	3,964
Shuttleless looms and weaving machines.....	64,181	111,146	64,469	<sup>r</sup> 112,215
Single filling insertion capability.....	38,460	68,022	38,414	67,925
Air jet looms.....	12,322	21,266	<sup>r</sup> 11,822	20,529
Water jet looms.....	6,241	11,237	<sup>r</sup> 6,477	<sup>r</sup> 11,669
Projectile looms.....	13,627	25,161	<sup>r</sup> 13,758	<sup>r</sup> 24,882
Rapier looms.....	6,270	10,358	6,357	10,845
Multiple filling insertion capability.....	25,090	42,018	25,473	<sup>r</sup> 43,401
Air jet looms.....	2,066	3,120	2,080	3,127
Water jet looms.....	134	269	210	321
Projectile looms.....	10,647	19,803	10,859	20,348
Rapier looms.....	12,243	18,826	12,324	19,605
Pile and plush looms.....	631	1,106	582	<sup>r</sup> 889

<sup>r</sup>Revised by 5 percent or more from previously published figures.



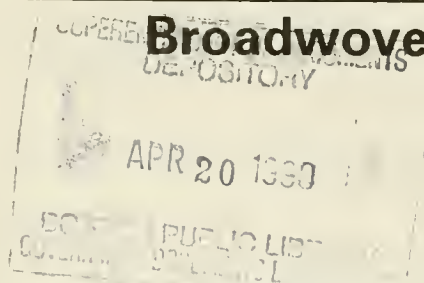
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## Broadwoven Fabrics (Gray)

## SUMMARY FOR 1988

MQ22T(88)-5  
Issued January 1990U.S. Department of Commerce  
BUREAU OF THE CENSUS

## SUMMARY OF FINDINGS

Production of cotton broadwoven goods decreased by 3 percent in 1988 from 4,772.2 million square yards in 1987 to 4,631.6 million square yards in 1988.

Production of manmade fiber fabrics increased 1.2 percent in 1988 from 11,234.3 million square yards in 1987 to 11,369.2 million square yards in 1988. Production of 85 percent or more filament yarn fabrics increased

by 8.3 percent, and production of 85 percent or more spun yarn fabrics decreased by 3.9 percent.

Production of woolen and worsted fabrics increased from 168.9 million square yards in 1987 to 190.5 million square yards in 1988.

A description of the survey methodology and related information appears on page 8.

Table 1. SUMMARY OF PRODUCTION OF BROADWOVEN GRAY FABRICS, BY TYPE OF FABRIC: 1984 TO 1988

(Millions of square yards)

Year	Chiefly cotton fabrics	Manmade fiber fabrics, including silk and manmade/wool blends	Chiefly wool fabric	Tire cord and tire cord fabrics
1988				
Fourth quarter.....	1,052.3	2,847.7	43.9	168.9
Third quarter.....	1,072.2	2,735.6	43.0	169.5
Second quarter.....	1,255.0	2,877.6	53.0	157.7
First quarter.....	1,252.1	2,908.8	50.6	153.8
1987				
Fourth quarter.....	1,178.2	2,945.9	40.9	126.8
Third quarter.....	1,219.1	2,787.7	36.0	122.1
Second quarter.....	1,216.9	2,764.0	45.9	121.9
First quarter.....	1,158.0	2,736.7	46.0	124.5
1986				
Fourth quarter.....	1,129.3	2,785.4	30.2	116.0
Third quarter.....	1,095.2	2,561.5	27.8	105.9
Second quarter.....	1,102.6	2,659.8	41.2	108.8
First quarter.....	1,037.0	2,757.5	40.2	112.8
1985				
Fourth quarter.....	955.4	2,696.4	34.0	112.2
Third quarter.....	933.0	2,652.6	24.3	107.9
Second quarter.....	1,001.7	2,685.7	39.5	129.5
First quarter.....	1,030.3	2,761.9	40.6	145.9
1984				
Fourth quarter.....	955.2	2,878.2	36.7	143.0
Third quarter.....	946.6	2,921.5	29.7	135.4
Second quarter.....	1,031.5	3,026.3	44.3	146.3
First quarter.....	1,068.8	3,026.4	48.6	139.9

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Cynthia DiPardo, (301) 763-4476.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.



Table 2. SUMMARY OF PRODUCTION AND LOOM ASSIGNMENTS OF BROADWOVEN GRAY FABRICS: 1988

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Looms operating end of year	Production				
			Total	First quarter	Second quarter	Third quarter	Fourth quarter
	Cotton and chiefly cotton fabrics mixed mainly or solely with manmade fibers.....	40,480	4,631,633	1,252,113	1,255,017	1,072,217	1,052,286
2211B 00	Plain weaves.....	21,599	2,628,256	686,383	707,696	616,625	617,552
2211C 00	Twill weaves.....	6,788	1,100,218	328,522	302,676	244,883	224,137
2211D 00	All other weaves except pile.....	5,290	442,146	116,862	123,522	99,962	101,800
2211E 00	Pile fabrics.....	6,803	461,013	120,346	121,123	110,747	108,797
	Chiefly cotton fabrics mixed mainly or solely with other than manmade fibers.....	(D)	(D)	(D)	(D)	(D)	(D)
	Manmade fiber and silk gray broadwoven fabrics.....	78,600	11,369,751	2,908,840	2,877,557	2,735,621	2,847,733
2221B 00	85 percent or more filament rayon and/or acetate fabrics.....	8,567	711,443	170,322	186,065	185,473	169,583
2221C 00	85 percent or more filament fabrics, except rayon and/or acetate.....	17,775	4,981,815	1,284,272	1,231,757	1,160,194	1,305,592
	85 percent or more spun yarn fabrics, except wool blends.....	42,050	4,419,106	1,165,315	1,136,605	1,066,567	1,050,619
2221D 00	Plain weave, except pile.....	33,063	3,516,108	916,327	906,686	851,031	842,064
2221E 00	Twill weave, except pile.....	4,397	568,722	162,157	143,466	137,803	125,296
2221F 00	All other weaves, except pile.....	4,590	334,276	86,831	86,453	77,733	83,259
2221G 00	Spun/filament yarn combinations.....	(D)	(D)	(D)	(D)	(D)	(D)
2221H 10	Pile fabrics.....	(D)	(D)	(D)	(D)	(D)	(D)
2221H 29	All other chiefly manmade fiber fabrics, including chiefly manmade fiber blends with wool...	(D)	(D)	(D)	(D)	(D)	(D)
2221H 28	Silk fabrics.....	(D)	(D)	(D)	(D)	(D)	(D)
	Woolen and worsted fabrics.....	2,145	190,533	50,569	53,018	43,023	43,923

- (D) Data withheld to avoid disclosing figures for individual companies.

Table 3. PRODUCTION OF BROADWOVEN FABRIC BY TEXTILE CATEGORY: 1988

(Thousands of square yards)

Product description	Production				
	Total	First quarter	Second quarter	Third quarter	Fourth quarter
Blue denim.....	656,042	208,911	178,410	144,744	123,977
All other yarn dyed fabric.....	483,640	134,994	132,079	105,288	111,279
Plain weave.....	134,869	33,556	30,428	31,978	38,907
Twill weave.....	110,305	37,445	37,559	18,425	16,876
All other weave.....	238,466	63,993	64,092	54,885	54,496
Cheesecloth and batistes.....	1,412,789	364,971	369,194	336,656	341,968
Duck.....	111,845	30,001	31,612	24,441	25,791
Oxfords.....	73,342	20,863	16,313	18,689	17,477
Pile fabrics.....	517,196	132,918	135,747	124,532	123,999
Special weave fabric.....	395,519	99,757	111,977	88,731	95,054
Other fabrics, chiefly cotton fiber:					
Print cloth.....	461,038	127,068	140,702	100,868	92,400
Poplin and broadcloth.....	181,496	44,836	48,060	44,539	44,061
Sheeting.....	700,616	179,643	181,624	171,684	167,665
Twill.....	351,427	88,493	91,079	85,461	86,394
Sateens.....	28,900	7,777	9,400	5,408	6,315
Other fabrics, chiefly manmade fiber:					
Manmade/wool blends.....	(D)	(D)	(D)	(D)	(D)
85 percent or more filament yarn fabrics:					
Typewriter fabric.....	101,308	28,616	27,527	21,865	23,300
Other nylon.....	387,983	103,928	103,001	96,013	85,041
Rayon and acetate.....	711,443	170,322	186,065	185,473	169,583
Polyester.....	812,788	196,524	209,487	211,439	195,338
Glass fiber.....	448,481	134,060	105,817	101,447	107,157
All other.....	3,231,255	821,144	785,925	729,430	894,756
85 percent or more spun yarn fabrics:					
Print cloth.....	1,052,958	270,019	285,366	257,921	239,652
Poplin and broadcloth.....	733,539	185,314	191,044	182,040	175,141
Sheeting.....	1,355,214	367,302	336,352	317,529	334,031
Twills and sateens.....	599,304	169,109	149,180	146,385	134,630
Spun filament combinations except blue denim:					
Print cloth.....	332,372	69,043	83,223	88,264	91,842
Poplin and broadcloth.....	136,955	33,384	40,462	32,160	30,949
Sheeting.....	169,752	46,136	42,879	42,564	38,173
Twills and sateens.....	152,570	37,070	39,445	35,151	40,904
Other.....	335,012	78,936	80,067	92,489	83,520
Wool fabrics.....	190,533	50,569	53,018	43,023	43,923
Silk fabrics.....	(D)	(D)	(D)	(D)	(D)

(D) Data withheld to avoid disclosing figures for individual companies.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS: 1988

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
	85 percent or more spun yarn, spun/filament combinations and chiefly cotton or manmade fibers.....	84,228	9,724,330	90,080	2,563,627	91,834	2,558,468	88,034	2,321,012	84,228	2,281,223
2211B 02	Tobacco, cheese, and bandage cloth....	5,649	1,389,496	5,553	356,687	5,573	361,950	5,878	332,355	5,649	338,504
2221D 04	More than 50 percent cotton.....	4,930	1,177,388	5,037	309,031	5,028	309,954	5,018	274,305	4,930	284,098
2221D 08	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211G 04	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Spun-filament combination.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211B 12	Print cloth.....	21,451	1,846,368	22,952	466,130	25,531	509,291	23,385	447,053	21,451	423,894
2221D 14	More than 50 percent cotton.....	6,957	461,038	8,008	127,068	9,709	140,702	7,558	100,868	6,957	92,400
2221D 16	Chiefly spun polyester mixed with cotton.....	7,488	749,878	8,666	189,325	8,784	207,849	8,330	183,796	7,488	168,908
2221D 18	Chiefly spun polyester mixed with rayon.....	4,132	227,106	3,364	51,407	3,663	54,151	4,132	60,283	4,132	61,265
2221G 07	All other fabrics, 85 percent or more spun yarn.....	696	75,974	1,215	29,287	1,184	23,366	1,008	13,842	696	9,479
	Spun/filament combinations.....	2,178	332,372	1,699	69,043	2,191	83,223	2,357	88,264	2,178	91,842
	Poplin and broadcloth.....	10,109	1,169,876	10,657	292,565	10,502	306,290	9,616	286,774	10,109	284,247
	More than 50 percent cotton.....	2,367	217,140	1,949	51,656	2,216	55,207	2,388	52,586	2,367	57,691
2211B 22	Weighing 5.9 ounces or less per square yard.....	2,005	154,539	1,561	35,037	1,917	40,594	2,056	38,073	2,005	40,835
2211B 26	Carded.....	1,135	81,168	961	19,699	1,171	25,350	1,112	18,234	1,135	17,885
	Combed.....	870	73,371	600	15,338	746	15,244	944	19,839	870	22,950
2211B 32	Weighing more than 5.9 ounces per square yard.....	362	62,601	388	16,619	299	14,613	332	14,513	362	16,856
2211B 36	Carded.....	177	23,183	193	7,003	126	4,732	(D)	(D)	(D)	(D)
	Combed.....	185	39,418	195	9,616	173	9,881	(D)	(D)	(D)	(D)
	Chiefly spun polyester mixed with cotton.....	6,260	763,657	7,447	196,670	6,662	197,954	5,865	188,790	6,260	180,243
2221D 24	Weighing 5.0 ounces or less per square yard.....	5,479	644,748	6,685	169,157	5,945	170,844	4,995	153,979	5,479	150,768
2221D 26	Carded.....	4,060	387,700	4,699	102,633	4,236	104,556	3,654	89,205	4,060	91,306
	Combed.....	1,417	257,048	1,986	66,524	1,709	66,288	1,341	64,774	1,419	59,462
2221D 28	Weighing more than 5.0 ounces per square yard.....	781	118,909	762	27,513	717	27,110	870	34,811	781	29,475
2221D 32	Carded.....	164	24,276	(D)	(D)	(D)	(D)	199	7,442	164	8,807
2221D 34	Combed.....	617	94,633	(D)	(D)	(D)	(D)	671	27,369	617	20,668
2221G 19	All other fabrics, 85 percent or more spun yarn.....	732	52,124	560	10,855	670	12,667	676	13,238	732	15,364
	Spun/filament combinations.....	750	136,955	701	33,384	954	40,462	687	32,160	750	30,949
2211B 42	Lawns, voiles, and batistes.....	986	63,791	(D)	(D)	(D)	(D)	1,248	18,165	986	13,059
2221D 43	More than 50 percent cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221D 44	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 28	All other fabrics, 85 percent or more spun yarn.....	-	(D)	-	-	-	-	-	(D)	-	-
	Spun/filament combinations.....	-	(D)	-	-	-	-	(D)	(D)	-	-
2211B 72	Duck, including taped warp duck.....	952	122,733	1,052	31,995	1,052	33,827	875	27,416	952	29,495
2221D 88	More than 50 percent cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221D 92	Chiefly spun polyester mixed with cotton.....	206	24,724	187	6,997	225	8,017	(D)	(D)	(D)	(D)
2221G 77	All other fabrics, 85 percent or more spun yarn.....	218	29,250	239	7,662	238	7,587	218	6,599	218	7,402
	Spun/filament combinations.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211B 51	Bedsheeting.....	14,360	1,559,059	14,954	406,161	14,729	379,945	14,952	365,070	14,360	407,883
	More than 50 percent cotton.....	3,720	399,193	3,865	94,526	3,920	100,478	3,803	102,852	3,720	101,337
2221D 51	Chiefly spun polyester mixed with cotton.....	9,863	1,002,412	10,095	262,593	9,896	242,331	10,322	224,836	9,863	272,652
2221D 53	Carded.....	1,350	224,633	1,976	61,647	1,755	54,907	1,284	46,759	1,350	61,320
2221D 55	Combed.....	8,513	777,779	8,119	200,946	8,141	187,424	9,038	178,077	8,513	211,332
2221G 33	All other fabrics, 85 percent or more spun yarn.....	-	(D)	(D)	(D)	(D)	(D)	-	-	-	-
	Spun/filament combinations.....	777	(D)	(D)	(D)	(D)	(D)	827	37,582	777	33,894
2211B 62	All other sheeting, including osnaburgs.....	5,163	682,932	6,022	191,146	6,011	184,339	6,025	170,650	5,163	136,797
	More than 50 percent cotton.....	3,020	304,991	3,292	85,983	3,355	82,019	3,219	69,711	3,020	67,278
	Weighing 5.9 ounces or less per square yard.....	2,552	246,772	2,819	72,685	2,838	65,671	2,727	54,610	2,552	53,806
2211B 64	Weighing more than 5.9 ounces per square yard.....	468	58,219	473	13,298	517	16,348	492	15,101	468	12,472
2211B 66	Blanketing.....	72	29,806	(D)	(D)	(D)	(D)	76	6,955	72	5,296
	All other fabric.....	396	28,413	(D)	(D)	(D)	(D)	416	8,146	396	8,176
2221D 64	85 percent or more spun polyester.....	166	31,971	169	11,345	192	7,925	167	7,864	166	4,897
2221D 66	Blanketing.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	All other fabric.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221D 74	Chiefly spun polyester mixed with cotton.....	1,409	246,216	1,851	66,450	1,851	69,964	1,999	66,435	1,409	43,367
2221D 76	Weighing 5.0 ounces or less per square yard.....	768	175,690	(D)	(D)	(D)	(D)	1,340	48,271	768	23,286
	Weighing more than 5.0 ounces per square yard.....	641	70,526	(D)	(D)	(D)	(D)	659	18,164	641	20,081
2221D 82	Chiefly spun acrylic.....	(D)	43,724	342	11,915	317	10,746	(D)	(D)	(D)	(D)
2221D 84	Blanketing.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221D 86	All other fabric.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 45	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	141	21,930	(D)	(D)	(D)	(D)	133	5,182	141	4,279

See footnotes at end of table.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS: 1988--Continued

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
2211C 01	Blue denim.....	3,060	656,042	3,821	208,911	3,715	178,410	3,262	144,744	3,060	123,977
	More than 50 percent cotton.....	3,016	648,099	3,789	206,935	3,687	176,517	3,211	142,397	3,016	122,250
	Weighing 10.7 ounces or less per square yard.....	370	87,169	543	29,993	391	23,077	396	18,750	370	15,349
2211C 03	Weighing more than 10.7 ounces per square yard.....	2,646	560,930	3,246	176,942	3,296	153,440	2,815	123,647	2,646	106,901
2221E 03	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 46	Spun/filament combinations.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	All other denim.....	598	111,842	1,163	34,332	924	38,663	600	20,809	598	18,038
	More than 50 percent cotton.....	561	99,140	856	28,503	654	34,699	547	19,137	561	16,801
2211C 12	Weighing 10.7 ounces or less per square yard.....	82	14,396	105	3,051	139	4,220	166	3,822	82	3,303
2211C 14	Weighing more than 10.7 ounces per square yard.....	479	84,744	751	25,452	515	30,479	381	15,315	479	13,498
2221E 14	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 48	Spun filament combinations.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211C 22	Canton flannels.....	385	26,801	416	8,535	(D)	6,791	(D)	5,405	385	6,070
	All other twill weaves.....	8,102	985,777	8,663	267,505	8,703	250,996	8,790	237,888	8,102	229,338
	More than 50 percent cotton.....	2,026	326,178	3,419	84,549	3,037	84,669	2,951	77,944	2,026	79,016
2211C 32	Weighing 5.9 ounces or less per square yards.....	1,040	93,500	1,029	19,273	1,119	22,831	1,095	25,169	1,040	26,227
2211C 34	Weighing more than 5.9 ounces per square yard.....	1,786	232,678	2,390	65,276	1,918	61,838	1,856	52,775	1,786	52,789
2221E 22	85 percent or more spun polyester... Chiefly spun polyester mixed with cotton.....	97	(D)	214	6,666	187	(D)	204	7,265	97	4,753
2221E 24	Weighing 5.0 ounces or less per square yard.....	2,984	433,298	3,188	126,578	2,960	106,065	3,270	104,121	2,984	96,534
2221E 26	Weighing more than 5.0 ounces per square yard.....	494	50,296	552	14,856	522	13,301	540	11,718	494	10,421
2221E 28	All other fabrics, 85 percent or more spun yarn.....	2,490	383,002	2,636	111,722	2,438	92,764	2,730	92,403	2,490	86,113
2221G 39	Spun/filament combinations.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Sateens.....	1,817	118,275	1,527	29,652	1,587	30,272	1,820	26,728	1,817	31,623
2211D 05	More than 50 percent cotton.....	456	29,089	(D)	(D)	(D)	(D)	(D)	(D)	456	6,315
2221F 05	Chiefly spun polyester mixed with cotton.....	287	20,743	280	4,993	310	5,102	276	4,864	287	5,784
2221F 07	All other fabrics, 85 percent or more spun yarn.....	612	19,452	440	6,310	385	3,091	630	5,118	612	4,931
2221G 63	Spun/filament combinations.....	462	48,991	(D)	(D)	(D)	(D)	(D)	(D)	462	14,59
	Oxfords.....	992	187,496	1,285	52,344	1,259	48,326	1,095	45,246	992	41,581
2211D 12	More than 50 percent cotton.....	429	109,880	639	31,932	627	29,821	478	25,528	429	22,591
2221F 12	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221F 16	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 68	Spun/filament combinations.....	210	25,120	239	5,578	275	6,781	224	6,899	210	5,86
2211D 31	Birdseye diaper cloth.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211D 35	Huck and crash toweling.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Table damask.....	735	60,727	750	14,418	934	19,814	758	12,657	735	13,83
2211D 45	More than 50 percent cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221F 33	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221F 36	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 82	Spun/filament combinations.....	-	-	-	-	-	-	-	-	-	-
	Jacquard and dobby shirting fabrics... More than 50 percent cotton.....	774	43,906	697	10,786	628	11,156	901	10,907	774	11,05
2211D 52	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	528	6,658	327	6,40
2221F 42	All other fabric, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 84	Spun/filament combinations.....	(D)	(D)	(D)	262	(D)	(D)	(D)	(D)	(D)	(D)
	All other weaves.....	8,231	614,630	8,668	155,874	8,286	160,647	7,611	148,625	8,231	149,48
	More than 50 percent cotton.....	2,801	171,579	2,806	44,395	2,800	45,580	2,627	39,829	2,801	41,77
2211D 62	Weighing 5.9 ounces or less per square yard.....	1,195	72,933	769	17,381	886	17,851	1,047	18,383	1,195	19,31
2211D 64	Weighing more than 5.9 ounces per square yard.....	1,606	98,646	2,037	27,014	1,914	27,729	1,580	21,446	1,606	22,45
2221F 52	85 percent or more spun polyester... Chiefly spun polyester mixed with cotton.....	438	34,259	448	8,070	454	10,437	410	7,590	438	8,16
2221F 54	Weighing 5.0 ounces or less per square yard.....	920	59,244	992	16,485	997	16,275	1,006	13,254	920	13,23
2221F 56	Weighing more than 5.0 ounces per square yard.....	618	39,455	690	10,245	650	11,072	645	9,193	618	8,94
2221F 58	All other fabrics, 85 percent or more spun yarn.....	302	19,789	302	6,240	347	5,203	361	4,061	302	4,28
2221G 87	Spun/filament combinations.....	1,272	92,395	1,419	23,188	1,459	26,858	1,131	19,942	1,272	22,40
		2,800	257,153	3,003	63,736	2,576	61,497	2,437	68,010	2,800	63,91

\* - Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. † Revised by 5 percent or more from previously published figures.



Table 5. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE FILAMENT YARN FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
	85 percent or more filament yarn fabrics.....	26,342	5,693,258	28,272	1,454,594	28,377	1,417,822	28,218	1,345,667	26,342	1,475,175
	High tenacity yarn fabrics.....	1,023	132,824	1,222	30,918	1,538	39,227	1,102	33,251	1,023	29,428
221B 02	100 percent and chiefly rayon.....	510	36,111	576	8,660	877	9,308	582	9,881	510	8,262
221C 02	100 percent and chiefly nylon.....	314	62,393	386	12,946	424	20,077	327	15,877	314	13,493
221C 04	100 percent and chiefly polyester...	199	34,320	260	9,312	237	9,842	193	7,493	199	7,673
	85 percent or more acetate or triacetate filament yarn fabrics.....	6,091	1,521,164	7,178	1,123,653	7,333	138,257	7,424	135,825	6,091	1,123,429
	Weighing not more than 5 ounces per square yard.....	5,049	1,456,840	5,947	1,109,453	6,146	120,979	6,303	119,524	5,049	1,106,884
221B 21	Plain weaves.....	3,412	1,266,165	3,582	1,61,873	3,759	70,083	3,874	68,252	3,412	65,957
221B 23	Other weaves.....	1,637	190,675	2,365	47,580	2,387	50,896	2,429	51,272	1,637	40,927
	Weighing more than 5 ounces per square yard.....	1,042	164,324	1,231	14,200	1,187	17,278	1,121	16,301	1,042	16,545
221B 25	Plain weaves.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
221B 27	Other weaves.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	85 percent or more rayon filament yarn fabrics.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
221B 41	Weighing not more than 5 ounces per square yard.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
221B 43	Weighing more than 5 ounces per square yard.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
	Other chiefly rayon and/or acetate filament yarn fabrics.....	1,966	154,168	2,119	38,009	2,214	38,500	2,386	39,767	1,966	37,892
221B 51	Weighing not more than 5 ounces per square yard.....	423	26,558	380	6,700	437	6,927	419	5,710	423	7,221
221B 53	Weighing more than 5 ounces per square yard.....	1,543	127,610	1,739	31,309	1,777	31,573	1,967	34,057	1,543	30,671
	85 percent or more nylon filament yarn fabrics.....	4,296	423,180	4,503	118,797	4,044	109,383	4,315	101,052	4,296	93,948
221C 11	Typewriter and other impression fabrics.....	951	101,308	1,169	28,616	1,078	27,527	990	21,865	951	23,300
	Other 85 percent or more nylon filament yarn fabrics.....	3,345	321,872	3,334	90,181	2,966	81,856	3,325	79,187	3,345	70,648
	Weighing not more than 5 ounces per square yard.....	2,539	281,162	2,673	81,213	2,403	71,221	2,312	68,514	2,539	60,214
221C 13	Flat, non-textured.....	2,334	259,144	2,436	74,780	2,183	65,437	2,111	63,665	2,334	55,262
221C 15	All other.....	205	22,018	237	6,433	220	5,784	201	4,849	205	4,952
	Weighing more than 5 ounces per square yard.....	806	40,710	661	8,968	563	10,635	1,013	10,673	806	10,434
221C 23	Flat, non-textured.....	698	26,029	597	6,337	446	6,147	916	6,662	698	6,883
221C 25	All other.....	108	14,681	64	2,631	117	4,488	97	4,011	108	3,551
	Other chiefly nylon filament fabrics..	150	3,718	109	801	116	1,068	97	949	150	900
221C 31	Weighing not more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
221C 33	Weighing more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	85 percent or more polyester filament yarn fabrics.....	6,204	766,863	6,058	184,688	6,452	197,006	6,333	200,670	6,204	184,499
221C 44	Textured.....	3,860	564,904	3,845	134,454	4,190	142,454	4,158	149,314	3,860	138,682
	Weighing not more than 5 ounces per square yard <sup>2</sup> .....	2,047	199,643	1,927	45,478	2,146	52,308	2,047	51,998	2,047	49,859
221C 43	Flat.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
221C 45	Other.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
221C 50	Weighing more than 5 ounces per square yard <sup>2</sup> .....	1,813	365,261	1,918	88,976	2,044	90,146	2,111	97,316	1,813	88,823
221C 62	Non-textured.....	2,344	201,959	2,213	50,234	2,262	54,552	2,175	51,356	2,344	45,817
	Weighing not more than 5 ounces per square yard <sup>2</sup> .....	1,642	138,993	1,477	33,633	1,522	37,967	1,548	36,414	1,642	30,979
221C 66	Weighing more than 5 ounces per square yard <sup>2</sup> .....	702	62,966	736	16,601	740	16,585	627	14,942	702	14,838
221C 73	Other chiefly polyester filament fabrics.....	143	11,605	129	2,524	150	2,639	143	3,276	143	3,166
221C 82	Glass fiber fabrics.....	2,431	448,481	2,843	134,060	2,301	105,817	2,351	101,447	2,431	107,157
221C 89	Woven roving and screening.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	All other glass fiber fabrics.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	All other 85 percent or more filament yarn fabrics, including saran and olefin and fabrics obtained from strip, except rayon and/or acetate...	4,038	3,231,255	4,111	821,144	4,229	785,925	4,067	729,430	4,038	894,756
221C 91	Carpet backing.....	2,866	2,924,082	2,767	731,253	2,832	718,094	2,845	658,784	2,866	815,951
221C 93	All other.....	1,172	307,173	1,344	89,891	1,397	67,831	1,222	70,646	1,172	78,805

(D) Data withheld to avoid disclosing figures for individual companies. <sup>1</sup>Revised by 5 percent or more from previously published figures.<sup>2</sup>Included with 85 percent or more acetate or triacetate filament yarn fabric to avoid disclosing figures for individual companies.<sup>3</sup>Classified on a finished weight basis.



Table 6. PRODUCTION AND LOOM ASSIGNMENT OF UPHOLSTERY FABRICS  
(Looms operating in number; production in thousands of square yards)

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
	Upholstery fabrics.....	6,818	331,422	5,499	90,282	7,029	83,074	6,590	74,482	6,818	83,584
	85 percent or more spun yarn and spin filament combinations.....	5,907	255,012	4,671	69,757	6,137	62,963	5,742	57,582	5,907	64,710
221IE 41	Pile woven.....	1,112	75,441	1,498	22,494	1,427	21,499	1,075	14,872	1,112	16,576
222IH 41	All cotton and chiefly cotton....	439	10,451	591	4,405	543	3,004	425	1,381	439	1,661
	All manmade and chiefly manmade...	673	64,990	907	18,089	884	18,495	650	13,491	673	14,915
221IX 01	Flat woven.....	4,795	179,571	3,173	47,263	4,710	41,464	4,667	42,710	4,795	48,134
	All cotton and chiefly cotton....	2,695	46,016	1,191	10,929	2,663	11,862	2,655	11,303	2,695	11,922
222IX 01	All manmade and chiefly manmade...	2,100	133,555	1,982	36,334	2,047	29,602	2,012	31,407	2,100	36,212
222IX 03	Olefin.....	487	33,162	351	5,757	484	8,476	487	9,654	487	9,275
	All other flat woven manmade fiber fabrics.....	1,613	100,393	1,631	30,577	1,563	21,126	1,525	21,753	1,613	26,937
222IC 77	85 percent or more filament yarn.....	911	76,410	828	20,525	892	20,111	848	16,900	911	18,874
222IC 78	All polyester and chiefly polyester.	263	18,590	195	4,253	222	4,422	198	4,360	263	5,555
222IC 98	All nylon and chiefly nylon.....	41	6,273	30	1,752	58	1,421	57	1,676	41	1,424
222IX 98	All olefin and chiefly olefin.....	362	36,177	339	10,797	345	10,264	388	7,019	362	8,097
222IX 99	All other filament fiber fabrics....	245	15,370	264	3,723	267	4,004	205	3,845	245	3,798

Note: These data are included in the data shown in tables 4, 5 and 8.

See footnotes at end of table 7.

Table 7. PRODUCTION AND LOOM ASSIGNMENT OF WOOLEN AND WORSTED FABRICS, INCLUDING CHIEFLY MANMADE/WOOL BLENDS AND CHIEFLY COTTON/WOOL BLENDS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
	Woolen and worsted fabrics, 36 percent or more wool (except felts) <sup>1</sup> .....	2,145	190,533	2,351	50,569	2,325	53,018	2,276	43,023	2,145	43,921
	Apparel fabrics, including government orders.....	1,984	178,988	2,201	47,722	2,174	50,306	2,075	39,692	1,984	41,261
22312 01	Worsted fabrics.....	1,001	106,628	1,152	28,195	1,140	29,695	1,042	23,959	1,001	24,771
	Weighting not more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
22312 02	Weighting more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
22312 21	Woolen fabrics.....	983	72,360	1,049	19,527	1,034	20,611	1,033	15,733	983	16,481
	Weighting not more than 9 ounces per square yard.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
22312 23	Weighting more than 9 ounces per square yard.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Nonapparel fabrics, including government orders (except felts)....	161	11,545	150	2,847	151	2,712	201	3,331	161	2,651
22312 62	Blanketing, including thermal.....	27	3,372	30	955	39	795	39	796	27	821
22312 85	All other fabrics.....	134	8,173	120	1,892	112	1,917	162	2,535	134	1,821
22312 92	Woven felts (thousands of pounds).....	154	6,279	180	1,818	175	1,723	159	1,452	154	1,281
	Chiefly manmade/wool blend and chiefly cotton/wool blend fabrics.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
222IH 22	Chiefly spun polyester mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
222IH 32	All other chiefly spun fibers mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
222IH 92	Chiefly filament polyester mixed mainly or solely with wool or spun polyester/wool blends.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
222IH 94	All other chiefly filament yarn mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

(D) Data withheld to avoid disclosing figures for individual companies. <sup>1</sup>Revised by 5 percent or more from previously published figures.

<sup>1</sup>Includes fabrics 36 percent or more wool or reprocessed wool by weight. 1986 and prior years include fabrics 50 percent or more wool or reprocessed wool by weight.



Table 8. PRODUCTION AND LOOM ASSIGNMENT OF PILE FABRICS (INCLUDES YARN DYED FABRICS)

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
	Pile fabrics.....	7,644	517,196	8,048	132,918	8,675	135,747	7,883	124,532	7,644	123,999
	Corduroy.....	1,045	179,078	1,404	17,783	1,307	21,273	1,228	17,552	1,045	18,462
	More than 50 percent cotton.....	1,045	(D)	(D)	(D)	1,307	21,273	1,228	17,552	1,045	18,462
2211E 01	Finewales and pinwales.....	241	25,169	569	4,645	540	7,588	569	6,643	241	6,293
2211E 03	Midwales.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211E 05	Thicksets.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211E 07	Widewales and other.....	1,520	134,550	711	8,144	627	10,342	466	7,780	1,520	18,284
2221H 01	Chiefly manmade fiber.....	-	(D)	(D)	(D)	-	-	-	-	-	-
	Velvets, plushes, and other pile fabrics.....	(1)	(1)	930	13,650	972	16,283	919	15,017	(1)	(1)
2211E 21	More than 50 percent cotton.....	(1)	(1)	(D)	(D)	(D)	(D)	(D)	(D)	(1)	(1)
2221H 11	Chiefly manmade fiber.....	841	56,144	(D)	(D)	(D)	(D)	(D)	(D)	841	15,202
	Terry cloth and terry toweling.....	5,758	381,974	5,714	101,485	6,396	98,191	5,736	91,963	5,758	90,335
2211E 32	Terry toweling.....	5,625	370,816	5,595	98,681	6,287	95,787	5,616	88,684	5,625	87,664
2211E 34	Terry cloth.....	133	11,158	119	2,804	109	2,404	120	3,279	133	2,671

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. <sup>F</sup>Revised by 5 percent or more from previously published figures.

<sup>1</sup>Data for cotton velvets and plushes are included with cotton corduroy, widewales and other, in order to avoid disclosing figures for individual companies.

Table 9. PRODUCTION OF TIRE CORD AND TIRE CORD FABRICS

(Thousands of pounds)

Product code	Product description	Looms operating end of year	Production				
			Total	First quarter	Second quarter	Third quarter	Fourth quarter
22960 00	Tire cord and tire cord fabrics.....	168,885	649,800	<sup>F</sup> 153,768	<sup>F</sup> 157,673	<sup>F</sup> 169,474	<sup>F</sup> 168,885
22960 12	Cotton tire cord and tire cord fabrics.....	-	-	-	-	-	-
22960 32	Rayon tire cord and tire cord fabrics.....	2,468	8,989	(D)	(D)	2,730	2,468
22960 35	Nylon tire cord and tire cord fabrics.....	48,111	198,625	<sup>F</sup> 50,195	<sup>F</sup> 52,151	<sup>F</sup> 48,168	<sup>F</sup> 48,111
22960 37	Polyester tire cord and tire cord fabrics.....	43,324	165,490	<sup>F</sup> 38,795	<sup>F</sup> 38,653	<sup>F</sup> 44,718	<sup>F</sup> 43,324
22960 38	Glass tire cord and tire cord fabrics.....	729	2,828	<sup>F</sup> 887	<sup>F</sup> 771	<sup>F</sup> 441	<sup>F</sup> 729
22960 45	Steel tire cord.....	56,385	211,409	<sup>F</sup> 49,623	<sup>F</sup> 49,263	<sup>F</sup> 56,138	<sup>F</sup> 56,385
22960 51	All other tire cord and tire cord fabrics including chafer.....	17,868	62,549	(D)	(D)	<sup>F</sup> 17,279	<sup>F</sup> 17,868

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. <sup>F</sup>Revised by 5 percent or more from previously published figures.

Table 10. LOOMS IN PLACE AND LOOM HOURS OPERATED IN BROADWOVEN FABRIC MILLS

(Looms in place in number; loom hours in thousands)

Type of loom	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
	Looms in place Jan. 1, 1989	Loom hours operated	Looms in place	Loom hours operated	Looms in place	Loom hours operated	Looms in place	Loom hours operated	Looms in place	Loom hours operated
Total.....	131,194	931,193	138,356	246,963	140,776	250,300	136,160	221,074	131,194	212,856
Shuttle type looms.....	65,495	459,629	71,887	124,300	74,055	<sup>F</sup> 126,706	70,185	107,830	65,495	100,793
Single shuttle cam looms.....	45,160	327,058	49,046	90,026	50,787	90,786	47,872	74,676	45,160	71,570
Single shuttle dobby looms.....	11,570	83,541	13,691	22,717	13,597	22,603	13,303	20,728	<sup>F</sup> 11,570	<sup>F</sup> 17,493
Multiple shuttle box or head motion looms.....	5,038	32,360	5,344	7,199	5,410	<sup>F</sup> 8,598	5,212	<sup>F</sup> 8,386	5,038	<sup>F</sup> 8,177
Double shuttle pile and plush, and jacquard looms.....	3,727	16,670	3,806	4,358	4,261	4,719	3,798	4,040	3,727	<sup>F</sup> 3,553
Shuttleless looms and weaving machines.....	65,699	471,564	66,469	122,663	66,721	123,594	65,975	113,244	65,699	112,063
Single filling insertion capability..	38,631	284,458	40,695	75,224	40,476	74,503	38,744	67,620	38,631	67,111
Air jet looms.....	12,171	87,397	12,386	23,702	11,850	22,253	11,822	20,532	12,171	20,910
Water jet looms.....	5,991	43,559	6,017	10,344	6,153	11,295	6,233	11,184	5,991	10,736
Projectile looms.....	14,092	108,635	15,846	29,054	15,663	29,300	14,224	24,996	14,092	25,285
Rapier looms.....	6,377	44,867	6,446	12,124	6,810	11,655	6,465	10,908	6,377	10,180
Multiple filling insertion capability.....	26,400	182,416	25,051	46,279	25,587	<sup>F</sup> 47,999	26,612	44,558	26,400	43,500
Air jet looms.....	2,066	13,451	2,019	3,642	2,042	3,562	2,082	3,129	2,066	3,118
Water jet looms.....	134	1,354	210	375	210	389	210	321	134	269
Projectile looms.....	11,136	86,459	10,450	21,690	10,666	<sup>F</sup> 22,563	11,346	21,302	11,136	20,904
Rapier looms.....	13,064	81,152	12,372	20,572	12,669	<sup>F</sup> 21,485	12,974	19,806	<sup>F</sup> 13,064	19,289
Pile and plush looms.....	668	4,690	723	<sup>F</sup> 1,160	<sup>F</sup> 658	<sup>F</sup> 1,092	<sup>F</sup> 619	<sup>F</sup> 1,066	<sup>F</sup> 668	<sup>F</sup> 1,372

<sup>F</sup>Revised by 5 percent or more from previously published figures.



## DESCRIPTION OF SURVEY

**Scope of Survey.** This survey covers all companies manufacturing broadwoven fabrics (gray) in the United States, except very small firms (generally less than 5 employees) for which 1987 Census of Manufactures data were derived from administrative records of other Government agencies.

**Survey Methodology.** The statistics in this publication were collected by mail on Bureau of the Census quarterly Form MQ22T, Broadwoven Fabrics (Gray). The survey panel includes all known manufacturers of broadwoven fabrics (gray), except those very small firms excluded from the scope of the survey. Approximately 415 establishments are included.

Participation in the quarterly survey is voluntary. However, annual reports are required from those establishments that do not report quarterly. The annual summary includes revisions of quarterly data originally estimated (see "Reliability of Data" below) for establishments which only report annually.

**Reliability of Data.** Survey error may result from several sources: (1) inability to obtain information about all cases in the survey, (2) response errors, (3) definitional difficulties, (4) differences in the interpretation of questions, (5) mistakes in recording or coding the data obtained, and (6) other errors of collection, response, coverage, and estimation for missing data. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is due to imputing data for nonrespondents, for late reporters, and for data which failed the edit. Missing figures are imputed based on quarter-to-quarter movements shown by reporting firms. Imputation generally is limited to a maximum of 10 percent for any one data cell. Figures with imputation rates greater than 10 percent are footnoted.

The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse, because the actual quarterly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is not precisely known, but is assumed to be small. The degree of uncertainty regarding the accuracy of the published data, however, increases as the percentage of imputation increases. Figures with imputation rates above 25 percent should be used with caution.

**Revisions to Previous Period Data.** Statistics for previous quarters may be revised as the result of corrected data from respondents, including the receipt of late

reports for which imputations were made as described above. Figures which have been revised by more than 5 percent from previously published figures are indicated by footnotes.

## EXPLANATION OF TERMS

*Woolen and Worsted Fabrics, Chiefly Wool.* Fabrics wholly or chiefly by weight of wool, reprocessed wool, or reused wool. Apparel fabrics include all fabrics that may be labeled as being made entirely of wool, reprocessed wool, and reused wool under the Wool Products Labeling Act. This includes blends of wool of sheep with, and fabrics entirely of mohair, cashmere, camel hair, alpaca, llama, and vicuna.

*Cotton Fabrics.* Fabrics wholly or chiefly by weight of cotton.

*Manmade Fiber Fabrics.* Fabrics wholly or chiefly by weight of manmade fibers.

*Blends and Mixtures.* Fabrics made from more than one fiber are classified in the same way as other fabrics, i.e., according to whether the fabric is chiefly cotton, wool, or manmade fiber. As examples, a fabric which is 55 percent cotton and 45 percent rayon is classified as cotton; a fabric which is 40 percent cotton, 30 percent rayon, and 30 percent acetate is classified as manmade.

Blends and mixture which are by weight 50 percent natural fiber and 50 percent manmade fiber are, for purposes of continuity, classified in the manmade category.

*Production.* Represents total production of broadwoven gray fabrics by all weaving mills regardless of their primary activity.

*Units of Quantity.* Production is reported in thousands of square yards except for tire cord and tire cord fabrics, which are reported in thousands of pounds.

*Looms Operating.* Represents number of looms (assigned to the specific fabrics) operating at the end of the quarter.

*Spun Yarn Fabrics.* Includes all fabrics that contain 85 percent or more spun yarns.

*Filament Yarn Fabrics.* Includes all fabrics that contain 85 percent or more filament yarns.

*Spun/Filament Combinations.* Includes fabrics that are combinations of spun and filament yarn where neither the spun or filament yarns exceed 85 percent.



*Plain Weave Fabrics.* A fabric construction in which each yarn of the weft passes alternately over and under successive yarns of the warp and each yarn of the warp passes alternately over and under successive yarns of the weft.

*Tobacco, Cheese, and Bandage Cloth.* Fabrics of plain weave, weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) consisting of 85 or less warp ends and filling picks per square inch whether or not napped.

*Print Cloth.* Fabrics of plain weave, weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) of average yarn numbers 26-40, consisting of more than 85 singles yarns per square inch, of square construction, whether or not of yarns of different colors (yarn dyed), whether or not napped.

*Poplin and Broadcloth.* Fabrics of plain weave, not of square construction, whether or not napped, but does not include the following types—fabrics weighing not more than 5.9 ounces per square yard, containing 85 or less warp ends and filling picks per square inch, or fabrics weighing more than 5.9 ounces per square yard of average yarn number 15 or lower.

*Lawns, Voiles, and Batistes.* Fabrics of plain weave weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) consisting of more than 85 warp ends and filling picks per square inch, of square construction, of average yarn number 41 or higher, whether or not napped.

*Sheeting.* Fabrics of plain weave, whether or not napped, of the following types:

Fabrics weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), of square construction, containing more than 85 warp end and filling picks per square inch, of average yarn number 40 or lower, but not including print cloth.

Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) but does not include fabrics of which the warp or filling, or both, consists of multiple (folded) or cabled yarns, of average yarn number 15 or lower or fabrics of average yarn number 16 or higher number, not of square construction.

*Twill Weave Fabrics.* Fabrics in which the warp and filling yarns are interlaced in such a manner as to produce a diagonal or bias effect on the face of the fabric.

*Blue Denim.* Fabrics of 3 or 4- thread twill, including broken twill, warp faced, the warp yarns of which are dyed blue and the weft yarns of which are unbleached, bleached, dyed grey or colored a lighter shade of blue than that of the warp yarns.

*All Other Denim.* Includes sport denims and all other denim not include above.

*Canton Flannel.* Fabric woven with a four-harness warp face twill with heavy, soft filling yarn, and a medium count warp. A long nap is raised on the back.

*Sateens.* Fabrics woven with a satin weave, whether or not napped, in which the surface of the cloth consists almost entirely of warp or filling floats; that is, in the repeat of a weave pattern, each yarn of one system passes over several yarns of the other system before interlacing.

*Oxfords.* Fabrics weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), whether or not napped, woven as plain weave except that two or more warp ends are woven as one (taped warp). Oxford cloth is not to be classified as a plain weave fabric.

*Duck.* Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), of average yarn number 15 or lower number, whether or not napped, of a plain weave where the warp or filling or both, consists of multiple (folded) or cabled yarns.

*Taped Warp Duck.* Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces (chiefly cotton fabric), of average yarn number 15 or lower number, whether or not napped, of a plain weave except that two or more warp ends are woven as one (tape warp) whether or not containing multiple (folded) or cabled yarns.

*Shirting, Jacquard or Dobby.* Fabrics weighing not more than 5 ounces per square (chiefly manmade fiber) or 5.9 ounces per square yard (chiefly cotton fiber) whether or not napped, woven wholly or in part with jacquard or dobby attachment.

*Table Damask.* Fabrics, whether or not napped, woven wholly or in part with jacquard or dobby attachment characterized by elaborate decorative designs, usually of floral patterns. The designs are reversible and are formed by warp-face satin weave. Table damask is generally all white, although it is sometimes made with colored stripes or in solid pastel shades.



*Ginghams, Plaids, and Checks.* Yarn dyed fabrics composed of two or more colors in the warp and two or more colors in the filling.

*Stripes and Other Yarn Dyed Fabrics.* Yarn dyed fabrics composed of any number of colors in the warp but only one color in the filling.

*High Tenacity Yarn Fabric.* Fabric made from yarns having a tenacity, expressed in centinewtons per tex (cN/tex) greater than 60 cN/tex for multiple (folded) or cabled yarns of nylon or polyester; or 27 cN/tex for multiple (folded), cabled, or singles yarns of viscose rayon.

*Flat Fabrics.* Fabrics containing yarns having less than twelve turns per inch.

## COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

The Standard Industrial Classification (SIC) system used for domestic output and the statistical export and import commodity classifications were developed independently. This results in considerable difficulty in comparing the three types of data for many commodity areas. The domestic output classification is based on type of industry; on the other hand, the export and import classification system is more materials oriented. Also, there are a substantial number of imported commodities which have no comparable domestic output classification. The relationships shown in this report should be considered only as approximations, since, in addition to the problems mentioned above, there are also the following problems affecting the comparability of the three sets of data.

**Valuation.** There are different methods of valuation for the three types of data:

- *Domestic Output.* Valued at the point of production. It includes the net sales price, f.o.b. plant, after discounts and allowances, exclusive of freight charges and excise taxes.
- *Exports.* Valued at the point of exportation. It includes the selling price, or cost if not sold, and inland freight, insurance and other charges to the export point.

Estimated producers' values of exports have also been developed. These values more closely approximate the values reported for domestic output because they exclude freight, insurance, and other charges applied from the producing plant to the export point.

- *Imports.* Valued at the first port of entry in the United States. It includes c.i.f. (cost, insurance, and freight), duty, and other charges to the import point.

**Duplication in Quantity and Value of Output.** Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of data for such commodities may contain a certain amount of duplication. Thus, percentages of exports to output or imports to apparent consumption (output plus imports minus exports) at four-digit or broader levels may be understated. Where duplication is known to be substantial, the output data are appropriately noted in the table.

**Low-Value Import and Export Transactions.** Detailed commodity information is not included for individual export shipments valued at not more than \$1,500. Generally, detailed commodity information is not included for individual import shipments valued at not more than \$1,000. For textiles and textile products, gloves, footwear, and miscellaneous rubber and plastics products, detailed commodity information is not included for individual import shipments valued at not more than \$250. This is believed to have only negligible effects on the statistics for the bulk of the commodities.

**Manufacturers' Shipments, Not Specified by Kind.** The value of manufacturers' shipments at the four-digit industry level often includes a small amount which is not distributed among the individual five-digit product classes. Export and import percentages at the more detailed levels might, therefore, be slightly overstated.

**Time Lag Between Output and Exports.** There will be a lag between the time a commodity is produced or shipped by the producer and the time it is actually exported, especially when intermediaries (wholesalers, exporters, etc.) are involved. Ordinarily, this type of discrepancy is insignificant in annual figures.

**"Direct" vs "Total" Commodity Exports and Imports.** Export and import data do not include materials which are incorporated into other more finished products and exported or imported in finished form. Thus, by showing only direct exports and imports, the relation of exports to output and imports to apparent consumption for intermediate products is considerably understated.

**Used Commodities.** With a few exceptions, used or rebuilt commodities are classified in the same import or export codes as is new merchandise. Percentages are thus overstated to the extent that used or rebuilt products are significant in trade.

**Geographic Area of Coverage.** Import and export data reflect the movement of merchandise into and out of U.S. foreign trade zones, the U.S. Virgin Islands, and the U.S. customs territory (includes the 50 States, the District of Columbia, and Puerto Rico).



## HISTORICAL NOTE

Data on broadwoven fabrics (gray) have been collected by the Bureau of the Census since 1943. Historical data may be obtained from Current Industrial Reports (called Facts for Industry before 1959) available at your local Federal Depository Library. A list of these libraries may be obtained from the Bureau of the Census regional offices:

Office	Telephone
Atlanta, Georgia	(404) 347-2271
Boston, Massachusetts	(617) 223-2327
Charlotte, North Carolina	(704) 371-6142
Chicago, Illinois	(312) 353-6251
Dallas, Texas	(214) 767-0621
Denver, Colorado	(303) 236-2200
Detroit, Michigan	(313) 226-7742
Kansas City, Kansas	(816) 374-4601
Los Angeles, California	(213) 209-6616
New York, New York	(212) 264-3860
Philadelphia, Pennsylvania	(215) 597-4920
Seattle, Washington	(206) 442-7828

Historical data are also available on microfiche. For further information, contact the Bureau of the Census, Data User Services Division (301) 763-4100.

## RELATED REPORTS

A quarterly Current Industrial Report is published in this series. The Bureau of the Census also publishes the following related reports:

Series	Frequency	Title
<i>Current Industrial Reports</i>		
M22D	Monthly	<i>Consumption on the Woolen System and Worsted Combing</i>
M22P	Monthly	<i>Consumption on the Cotton System and Stocks</i>
MQ23X	Quarterly	<i>Sheets, Pillowcases, and Towels</i>
MA22F.1	Annually	<i>Textured Yarn Production</i>
MA22F.2	Annually	<i>Spun Yarn Production</i>
MA22G	Annually	<i>Narrow Fabrics</i>
MA22K	Annually	<i>Knit Fabric Production</i>
MA22Q	Annually	<i>Carpet and Rugs</i>
MA22M	Biennially	<i>Stocks of Wool and Related Fibers</i>
MA23A	Annually	<i>Apparel</i>
MA23D	Annually	<i>Gloves and Mittens</i>

## Series      Frequency      Title

### *Other Industry Reports*

M3-1	Monthly	<i>Manufacturers' Shipments, Inventories, and Orders</i>
(AS)	Annually	Annual Survey of Manufactures (ASM)
(MC)	Quinquennially	Census of Manufactures

### *Foreign Trade Reports*

EM 546	Monthly	<i>U.S. Exports—Schedule B—</i>
FT 446	Annually	<i>Commodity by Country</i>
IM 146	Monthly	<i>U.S. Imports for</i>
FT 246	Annually	<i>Consumption—TSUSA—</i> <i>Commodity by Country</i>

## CONTACTS FOR DATA USERS

Subject Area	Contact	Phone Number
Current Industrial Report MQ22T	Robert Reinard	(301) 763-7536
Manufacturers' Shipments, Inventories, and Orders	Kathleen Menth	(301) 763-2575
Classification Systems Comparability	Francis McCormick (ESD)	(301) 763-1935
Census/ASM	Ted McGrath	(301) 763-5152
Foreign Trade	Trade Data Inquiries Staff (FTD)	(301) 763-5140
Office of Textiles and Apparel	James Bennett	(202) 377-4058
To order a Current Industrial Report	Superintendent of Documents (GP0)	(202) 783-3238
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## ACKNOWLEDGMENTS

This report was prepared in the Industry Division, Bureau of the Census, under the direction of Tom Flood, Chief, Current Nondurables Branch, and Robert Reinard, Chief, Textiles and Apparel Section. Cynthia DiPardo was directly responsible for the review of the data and preparation of the report. Gaylord Worden, Chief of the Division, and Robert N. Tinari, Assistant Chief for Current Industrial Reports, provided overall direction and coordination to this project.



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MQ 22T(89)-1

## Broadwoven Fabrics (Gray)

FIRST QUARTER 1989

MQ22T(89)-1  
Issued June 1989U.S. Department of Commerce  
BUREAU OF THE CENSUS

The statistics in this publication are based on a survey of manufactures and represent total U.S. production of broadwoven fabrics over 12 inches. Estimates are included

for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information appears on page 14.

This report is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100.

Table 1. SUMMARY OF PRODUCTION OF BROADWOVEN GRAY FABRICS, BY TYPE OF FABRIC: 1984 TO 1989

(Millions of square yards)

Year	Chiefly cotton fabrics	Manmade fiber fabrics, including silk and manmade/wool blends	Chiefly wool fabric	Tire cord and tire cord fabrics
1989				
First quarter.....	1,143.4	2,740.8	46.6	126.6
1988				
Fourth quarter.....	1,029.3	2,811.6	44.7	115.4
Third quarter.....	1,047.5	2,661.1	43.0	129.1
Second quarter.....	1,213.1	2,883.3	53.0	124.9
First quarter.....	1,232.6	2,870.9	50.6	128.6
1987				
Fourth quarter.....	1,178.2	2,945.9	40.9	126.8
Third quarter.....	1,219.1	2,787.7	36.0	122.1
Second quarter.....	1,216.9	2,764.0	45.9	121.9
First quarter.....	1,158.0	2,736.7	46.0	124.5
1986				
Fourth quarter.....	1,129.3	2,785.4	30.2	116.0
Third quarter.....	1,095.2	2,561.5	27.8	105.9
Second quarter.....	1,102.6	2,659.8	41.2	108.8
First quarter.....	1,037.0	2,757.5	40.2	112.8
1985				
Fourth quarter.....	955.4	2,696.4	34.0	112.2
Third quarter.....	933.0	2,652.6	24.3	107.9
Second quarter.....	1,001.7	2,685.7	39.5	129.5
First quarter.....	1,030.3	2,761.9	40.6	145.9
1984				
Fourth quarter.....	955.2	2,878.2	36.7	143.0
Third quarter.....	946.6	2,921.5	29.7	135.4
Second quarter.....	1,031.5	3,026.3	44.3	146.3
First quarter.....	1,068.8	3,026.4	48.6	139.9

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Judy Dodds, (301) 763-7536.

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Table 2. SUMMARY OF PRODUCTION AND LOOM ASSIGNMENTS OF BROADWOVEN GRAY FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	First quarter 1989		Fourth quarter 1988		Production, year-to-date (M sq. yards)
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)	
	Cotton and chiefly cotton fabrics mixed mainly or solely with manmade fibers.....	40,598	1,143,424	39,831	1,029,287	1,143,424
2211B 00	Plain weaves.....	21,260	636,709	21,298	604,759	636,709
2211C 00	Twill weaves.....	6,872	267,958	6,659	217,949	267,958
2211D 00	All other weaves except pile.....	5,431	106,982	5,085	93,609	106,982
2211E 00	Pile fabrics.....	7,035	131,775	6,789	112,970	131,775
	Chiefly cotton fabrics mixed mainly or solely with other than manmade fibers.....	(D)	(D)	(D)	(D)	(D)
	Manmade fiber and silk gray broadwoven fabrics.....	76,831	2,740,845	79,587	2,811,595	2,740,845
2221B 00	85 percent or more filament rayon and/or acetate fabrics.....	9,633	182,482	9,719	180,703	182,482
2221C 00	85 percent or more filament fabrics, except rayon and/or acetate.....	18,354	1,221,537	18,231	1,292,399	1,221,537
	85 percent or more spun yarn fabrics, except wool blends.....	40,228	1,033,358	42,524	1,040,259	1,033,358
2221D 00	Plain weave, except pile.....	31,570	827,371	33,306	829,939	827,371
2221E 00	Twill weave, except pile.....	4,642	131,251	4,667	131,789	131,251
2221F 00	All other weaves, except pile.....	4,016	74,736	4,551	78,531	74,736
2221G 00	Spun/filament yarn combinations.....	(D)	(D)	(D)	(D)	(D)
2221H 10	Pile fabrics.....	859	14,515	837	15,181	(D)
2221H 2X	All other chiefly manmade fiber fabrics, including chiefly manmade fiber blends with wool.....	(D)	(D)	(D)	(D)	(D)
2221H 31	Silk fabrics.....	(D)	(D)	(D)	(D)	(D)
	Woolen and worsted fabrics.....	2,136	46,560	2,144	44,719	46,560

(D) Data withheld to avoid disclosing figures for individual companies.

Table 3. SUMMARY OF PRODUCTION OF BROADWOVEN FABRIC BY TEXTILE CATEGORY

(Thousands of square yards)

Product description	Production during quarter		Production year-to-date
	First quarter 1989	Fourth quarter 1988	
Blue denim.....	162,406	125,117	162,406
All other yarn dyed fabric.....	129,968	111,546	129,968
Plain weave.....	40,645	42,511	40,645
Twill weave.....	28,137	16,569	28,137
All other weaves.....	61,186	52,466	61,186
Cheesecloth and batistes.....	356,110	340,432	356,110
Duck.....	(D)	(D)	(D)
Oxfords.....	11,210	14,407	11,210
Pile fabrics.....	146,290	128,151	146,290
Special weave fabric.....	90,966	88,550	90,966
Other fabrics, chiefly cotton fiber:			
Print cloth.....	99,134	93,183	99,134
Poplin and broadcloth.....	43,160	44,061	43,160
Sheeting.....	175,520	163,142	175,520
Twill.....	80,412	79,373	80,412
Sateens.....	8,253	15,274	8,253
Other fabrics, chiefly manmade fiber:			
Manmade/wool blends.....	(D)	(D)	(D)
85 percent or more filament yarn fabrics:			
Typewriter fabric.....	25,725	23,300	25,725
Other nylon.....	107,319	84,761	107,319
Rayon and acetate.....	182,382	180,703	182,382
Polyester.....	212,029	197,143	212,029
Glass fiber.....	91,055	100,127	91,055
All other.....	785,409	886,568	785,409
35 percent or more spun yarn fabrics:			
Print cloth.....	213,626	241,840	213,626
Poplin and broadcloth.....	197,702	173,405	197,702
Sheeting.....	320,631	320,911	320,631
Twill and sateen.....	139,866	141,849	139,866
spun filament combinations except blue denim:			
Print cloth.....	86,818	92,302	86,818
Poplin and broadcloth.....	35,704	31,413	35,704
Sheeting.....	39,351	38,173	39,351
Twill and sateen.....	33,671	41,461	33,671
Other.....	74,111	65,318	74,111
Wool fabric.....	46,560	44,719	46,560
Silk fabric.....	(D)	(D)	(D)

(D) Data withheld to avoid disclosing figures for individual companies.

Revised by 5 percent or more from previously published figures.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	First quarter 1989		Fourth quarter 1988	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
2211B 02	Tobacco, cheese, and handage cloth.....	5,747	354,919	5,593	336,968
2221D 04	More than 50 percent cotton.....	5,176	296,693	4,930	284,098
2221D 04	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221D 08	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2211G 04	Spun-filament combinations.....	(D)	(D)	(D)	(D)
2211B 12	Print cloth.....	18,898	399,578	21,238	427,525
2221D 12	More than 50 percent cotton.....	6,718	99,134	6,847	93,183
2221D 14	Chiefly spun polyester mixed with cotton.....	6,384	151,330	7,466	168,565
2221D 16	Chiefly spun polyester mixed with rayon.....	3,310	51,610	4,148	61,265
2221D 18	All other fabrics, 85 percent or more spun yarn <sup>1</sup> .....	1,501	10,686	1,596	12,010
2211G 07	Spun/filament combinations.....	1,985	86,818	2,181	192,502
2211B 22	Poplin and broadcloth.....	10,355	311,366	10,156	287,527
2221D 22	More than 50 percent cotton.....	2,145	54,910	2,372	57,691
2211B 26	Weighting 5.9 ounces or less per square yard.....	1,869	40,083	2,010	40,835
2211B 26	Carded.....	1,112	20,060	1,140	17,885
2211B 32	Combed.....	757	20,023	870	22,950
2211B 32	Weighting more than 5.9 ounces per square yard.....	276	14,827	362	16,856
2211B 36	Carded.....	(D)	(D)	(D)	(D)
2211B 36	Combed.....	(D)	(D)	(D)	(D)
2221D 24	Chiefly spun polyester mixed with cotton.....	6,238	191,379	6,078	172,577
2221D 24	Weighting 5.0 ounces or less per square yard.....	5,384	162,535	5,297	143,102
2221D 26	Carded.....	4,063	104,682	3,995	91,232
2221D 26	Combed.....	1,321	57,853	1,325	51,870
2221D 28	Weighting more than 5.0 ounces per square yard.....	854	28,844	781	29,475
2221D 32	Carded.....	(D)	(D)	164	8,807
2221D 32	Combed.....	(D)	(D)	617	29,668
2221D 34	All other fabrics, 85 percent or more spun yarn <sup>1</sup> .....	1,200	29,373	1,918	125,344
2211G 19	Spun/filament combinations.....	772	35,704	765	31,915
2211B 42	Lawns, voiles, and batistes.....	838	12,330	986	13,059
2221D 42	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221D 43	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221D 44	All other fabrics, 85 percent or more spun yarn.....	-	-	-	-
2211G 21	Spun/filament combinations.....	-	-	-	-
2211B 72	Duck, including taped warp duck.....	869	20,509	602	16,806
2221D 08	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221D 08	Chiefly spun polyester mixed with cotton.....	207	3,982	(D)	(D)
2221D 02	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2211G 77	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211B 51	Bedsheeting.....	14,166	393,574	14,375	404,976
2221D 51	More than 50 percent cotton.....	3,626	92,800	3,735	98,430
2221D 51	Chiefly spun polyester mixed with cotton.....	9,712	264,643	9,863	249,449
2221D 53	Carded.....	1,709	76,740	1,350	61,320
2221D 53	Combed.....	8,003	187,903	8,513	211,332
2221D 55	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	-	-
2211G 33	Spun/filament combinations.....	(D)	(D)	777	33,894
2211B 62	All other sheeting, including osenaburgs.....	5,739	147,973	5,657	123,615
2221D 62	More than 50 percent cotton.....	3,011	84,436	3,034	65,662
2221D 62	Weighting 5.9 ounces or less per square yard.....	2,276	59,555	2,414	50,016
2211B 64	Weighting more than 5.9 ounces per square yard.....	735	24,881	620	15,646
2211B 66	Blanketing.....	(D)	(D)	1,227	13,227
2221D 64	All other fabric.....	(D)	(D)	148	5,419
2221D 64	85 percent or more spun polyester.....	254	7,283	150	4,829
2221D 66	Blanketing.....	(D)	(D)	(D)	(D)
2221D 66	All other fabric.....	(D)	(D)	(D)	(D)
2221D 74	Chiefly spun polyester mixed with cotton.....	1,854	30,655	1,898	29,178
2221D 74	Weighting 5.0 ounces or less per square yard.....	(D)	(D)	1,592	25,557
2221D 76	Weighting more than 5.0 ounces per square yard.....	(D)	(D)	206	3,621
2221D 82	Chiefly spun acrylic.....	261	11,345	(D)	(D)
2221D 82	Blanketing.....	(D)	(D)	(D)	(D)
2221D 84	All other fabric.....	(D)	(D)	(D)	(D)
2221D 86	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2211G 45	Spun/filament combinations.....	(D)	(D)	141	4,279

See footnotes at end of table.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS--Continued

(Looms operating in number; production in thousands of square yards)

Product code	Product description	First quarter 1989		Fourth quarter 1988	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Blue denim.....	3,210	162,406	3,092	125,117
	More than 50 percent cotton.....	3,183	160,897	3,048	123,390
2211C 01	Weighing 10.7 ounces or less per square yard.....	360	17,210	392	15,669
2211C 03	Weighing more than 10.7 ounces per square yard.....	2,823	143,687	2,656	107,721
2221E 13	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221G 46	Spun/filament combinations.....	(D)	(D)	(D)	(D)
	All other denim.....	662	30,089	620	18,462
	More than 50 percent cotton.....	645	28,764	583	17,225
2211C 12	Weighing 10.7 ounces or less per square yard.....	137	4,480	104	3,706
2211C 14	Weighing more than 10.7 ounces per square yard.....	508	24,284	479	13,519
2221E 14	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221G 48	Spun filament combinations.....	(D)	(D)	(D)	(D)
2211C 22	Canton flannels.....	(D)	5,655	(D)	5,635
	All other twill weaves.....	7,987	222,558	212	229,138
	More than 50 percent cotton.....	2,646	72,642	2,643	71,699
2211C 32	Weighing 5.9 ounces or less per square yards.....	a936	a18,560	a993	a25,447
2211C 34	Weighing more than 5.9 ounces per square yard.....	1,710	54,082	1,650	46,252
2221E 22	85 percent or more spun polyester.....	233	5,746	97	4,796
	Chiefly spun polyester mixed with cotton.....	2,967	104,129	3,101	102,824
2221E 24	Weighing 5.0 ounces or less per square yard.....	684	12,853	506	10,657
2221E 26	Weighing more than 5.0 ounces per square yard.....	2,283	91,276	2,595	92,167
2221E 28	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2221G 39	Spun/filament combinations.....	(D)	(D)	(D)	(D)
	Sateens.....	1,630	32,095	1,865	31,291
2211D 05	More than 50 percent cotton.....	526	8,253	446	15,274
2211F 05	Chiefly spun polyester mixed with cotton.....	211	4,618	346	6,510
2221F 07	All other fabrics, 85 percent or more spun yarn.....	537	5,543	612	4,933
2221G 63	Spun/filament combinations.....	356	13,681	461	14,574
	Oxfords.....	959	34,560	814	34,460
2211D 12	More than 50 percent cotton.....	563	24,004	429	22,599
2221F 12	Chiefly spun polyester mixed with cotton.....	136	4,221	161	5,450
2221F 16	All other fabrics, 85 percent or more spun yarn.....	20	454	14	5,450
2221G 68	Spun/filament combinations.....	240	5,881	210	5,862
2211D 32	Birdseye diaper cloth.....	(D)	(D)	(D)	(D)
2211D 35	Huck and crash toweling.....	(D)	(D)	(D)	(D)
	Table damask.....	756	15,233	710	13,838
2211D 45	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221F 33	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221F 36	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2221G 82	Spun/filament combinations.....	-	-	-	-
	Jacquard and dobby shirting fabrics.....	926	17,799	960	15,301
2211D 52	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221F 42	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221F 44	All other fabric, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2221G 44	Spun/filament combinations.....	(D)	(D)	(D)	(D)
	All other weaves.....	6,902	137,964	7,273	128,236
	More than 50 percent cotton.....	2,689	48,936	2,756	41,212
2211D 62	Weighing 5.9 ounces or less per square yard.....	b1,093	a21,341	b1,239	b19,646
2211D 64	Weighing more than 5.9 ounces per square yard.....	1,596	a27,545	1,517	21,566
2221F 52	85 percent or more spun polyester.....	372	5,314	428	7,966
	Chiefly spun polyester mixed with cotton.....	942	12,997	959	12,906
2221F 54	Weighing 5.0 ounces or less per square yard.....	620	9,953	627	8,846
2221F 56	Weighing more than 5.0 ounces per square yard.....	322	3,044	a332	a4,080
2221F 58	All other fabrics, 85 percent or more spun yarn.....	1,222	26,178	1,358	26,184
2221G 47	Spun/filament combinations.....	1,677	44,519	1,772	40,000

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text for a discussion of estimation of missing reports): a10 to 25 percent of this item is estimated. b26 to 50 percent of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. <sup>c</sup>Revised by 5 percent or more from previously published figures.

<sup>1</sup>Varied print cloth is included with poplin and broadcloth to avoid disclosing figures for individual companies.



Table 5. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE FILAMENT YARN FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	First quarter 1989		Fourth quarter 1988	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	85 percent or more filament yarn fabrics.....	27,945	1,403,555	27,910	1,472,670
	High tenacity yarn fabrics.....	947	22,838	939	19,863
22218 01	100 percent and chiefly rayon.....	461	5,173	453	4,691
2221C 01	100 percent and chiefly nylon.....	289	8,809	295	7,635
2221C 03	100 percent and chiefly polyester.....	197	8,856	191	7,537
	85 percent or more acetate or triacetate filament yarn fabrics.....	17,416	143,944	17,273	138,214
	Weighing not more than 5 ounces per square yard.....	16,238	130,207	16,189	124,704
22218 21	Plain weave.....	14,098	181,080	13,863	173,125
22218 23	Other weaves.....	2,140	49,127	2,326	51,579
	Weighing more than 5 ounces per square yard.....	1,178	13,737	1,084	13,510
22218 25	Plain weave.....	(D)	(D)	(D)	(D)
22218 27	Other weaves.....	(D)	(D)	(D)	(D)
	85 percent or more rayon filament yarn fabrics.....	(1)	(1)	(1)	(1)
22218 41	Weighing not more than 5 ounces per square yard.....	(1)	(1)	(1)	(1)
22218 43	Weighing more than 5 ounces per square yard.....	(1)	(1)	(1)	(1)
	Other chiefly rayon and/or acetate filament yarn fabrics.....	1,756	33,365	1,993	37,798
22218 51	Weighing not more than 5 ounces per square yard.....	237	2,710	396	6,912
22218 53	Weighing more than 5 ounces per square yard.....	a 1,519	b 30,655	a 1,597	b 30,886
	85 percent or more nylon filament yarn fabrics.....	4,546	122,411	4,227	98,900
2221C 11	Typewriter and other impression fabrics.....	960	25,725	951	23,300
	Other 85 percent or more nylon filament yarn fabrics.....	3,586	96,686	3,276	75,600
	Weighing not more than 5 ounces per square yard.....	2,743	85,235	2,470	r 65,166
2221C 13	Flat, non-textured.....	2,441	76,591	2,270	r 60,214
2221C 15	All other.....	302	8,644	200	4,952
	Weighing more than 5 ounces per square yard.....	843	11,451	806	10,434
2221C 23	Flat, non-textured.....	720	6,620	698	6,883
2221C 25	All other.....	123	4,831	108	3,551
	Other chiefly nylon filament fabrics.....	171	1,824	143	r 1,526
2221C 31	Weighing not more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)
2221C 33	Weighing more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)
	85 percent or more polyester filament yarn fabrics.....	6,605	199,975	6,735	186,336
	Textured.....	3,872	137,275	3,775	136,658
2221C 44	Weighing not more than 5 ounces per square yard <sup>2</sup> .....	2,029	49,729	1,969	49,581
2221C 43	Flat.....	(D)	(D)	(D)	(D)
2221C 45	Other.....	(D)	(D)	(D)	(D)
2221C 50	Weighing more than 5 ounces per square yard <sup>2</sup> .....	1,843	87,546	1,806	87,077
	Non-textured.....	2,733	62,700	2,960	49,678
2221C 62	Weighing not more than 5 ounces per square yard <sup>2</sup> .....	2,003	45,264	2,292	35,288
2221C 66	Weighing more than 5 ounces per square yard <sup>2</sup> .....	730	17,436	668	14,390
2221C 73	Other chiefly polyester filament fabrics.....	a 131	a 3,198	a 143	a 3,166
	Glass fiber fabrics.....	2,367	91,055	2,428	100,727
2221C 42	Woven roving and screening.....	a 72	4,503	92	8,231
2221C 89	All other glass fiber fabrics.....	b 2,295	b 86,552	b 2,336	b 92,496
	All other 85 percent or more filament yarn fabrics, including saran and olefin and fabrics obtained from strip, except rayon and/or acetate.....	4,010	784,944	4,029	886,141
2221C 91	Carpet backing.....	2,854	710,753	2,877	810,631
2221C 93	All other.....	a 1,156	a 74,191	a 1,152	a 75,509

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.

<sup>1</sup>Included with 85 percent or more acetate or triacetate filament yarn fabric to avoid disclosing figures for individual companies.

<sup>2</sup>Classified on a finished weight basis.



Table 6. PRODUCTION AND LOOM ASSIGNMENT OF PILE FABRICS  
(INCLUDES YARN DYED FABRIC)

(Looms operating in number; production in thousands of square yards)

Product code	Product description	First quarter 1989		Fourth quarter 1988	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Pile fabrics.....	7,894	146,290	7,626	128,151
	Corduroy.....	1,584	27,885	<sup>1</sup> 1,021	<sup>1</sup> 17,548
	More than 50 percent cotton.....	1,577	27,865	<sup>1</sup> 1,021	<sup>1</sup> 17,548
2211E 01	Finewales and pinwales.....	793	11,156	241	6,293
2211E 03	Midwales.....	(D)	(D)	(D)	(D)
2211E 05	Thicksets.....	(D)	(D)	(D)	(D)
2211E 07	Widewales and other.....	305	8,532	<sup>1</sup> 496	<sup>1</sup> 7,370
2221H 01	Chiefly manmade fiber.....	(D)	(D)	-	-
	Velvets, plushes, and other pile fabrics.....	924	15,361	(1)	(1)
2211E 21	More than 50 percent cotton.....	(D)	(D)	(1)	(1)
2221H 11	Chiefly manmade fiber.....	(D)	(D)	837	15,181
	Terry cloth and terry toweling.....	5,458	103,910	5,768	<sup>r</sup> 95,422
2211E 32	Terry toweling.....	5,333	100,146	5,635	<sup>r</sup> 92,751
2211E 34	Terry cloth.....	125	3,764	133	2,671

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup> Revised by 5 percent or more from previously published figures.

<sup>1</sup> Cotton velvets, plushes, and other pile fabrics are included with widewale corduroy to avoid disclosing figures for individual companies.

Table 7. PRODUCTION AND LOOM ASSIGNMENT OF WOOLEN AND WORSTED FABRICS,  
INCLUDING CHIEFLY MANMADE/WOOL BLENDS AND CHIEFLY COTTON/WOOL BLENDS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	First quarter 1989		Fourth quarter 1988	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Woolen and worsted fabrics, 36 percent or more wool (except felts) <sup>1</sup> .....	2,136	46,560	2,144	44,719
	Apparel fabrics, including government orders.....	2,020	44,993	1,982	41,759
	Worsted fabrics.....	1,077	25,472	1,006	24,984
22312 01	Weighing not more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)
22312 02	Weighing more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)
	Woolen fabrics.....	943	19,521	976	16,775
22312 21	Weighing not more than 9 ounces per square yard.....	(D)	(D)	(D)	(D)
22312 23	Weighing more than 9 ounces per square yard.....	(D)	(D)	(D)	(D)
	Nonapparel fabrics, including government orders (except felts)....	116	1,567	162	<sup>r</sup> 2,960
22312 62	Blanketing, including thermal.....	<sup>b</sup> 26	630	<sup>b</sup> 27	<sup>r</sup> 919
22312 85	All other fabrics.....	<sup>b</sup> 90	<sup>a</sup> 937	<sup>b</sup> 135	<sup>a</sup> <sup>r</sup> 2,041
22312 92	Woven felts (thousands of pounds).....	152	(S)	154	<sup>a</sup> 1,481
	Chiefly manmade/wool blend and chiefly cotton/wool blend fabrics.....	(D)	(D)	(D)	(D)
2221H 22	Chiefly spun polyester mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)
2221H 21	All other chiefly spun fibers mixed mainly or solely with wool....	(D)	(D)	(D)	(D)
2221H 92	Chiefly filament polyester mixed mainly or solely with wool or spun polyester/wool blends.....	(D)	(D)	(D)	(D)
2221H 98	All other chiefly filament yarn mixed mainly or solely with wool...	(D)	(D)	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup> Revised by 5 percent or more from previously published figures.  
(S) Suppressed. Data did not meet publication standards of the Bureau of the Census.

<sup>1</sup> Includes fabrics 36 percent or more wool or reprocessed wool by weight. 1986 and prior years include fabrics 50 percent or more wool or reprocessed wool by weight.



Table 8. PRODUCTION AND LOOM ASSIGNMENT OF UPHOLSTERY FABRICS  
(Looms operating in number; production in thousands of square yards)

Product code	Product description	First quarter 1989		Fourth quarter 1988	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Upholstery fabrics.....	4,398	88,686	4,436	82,202
	85 percent or more spun yarn and spin filament combinations.....	3,718	72,840	3,728	66,753
	Pile woven.....	1,200	21,173	1,187	20,449
221IE 41	All cotton and chiefly cotton.....	404	a1,497	407	a1,434
222IH 41	All manmade and chiefly manmade.....	796	19,676	r780	19,015
	Flat woven.....	2,518	51,667	2,541	46,304
221IX 01	All cotton and chiefly cotton.....	438	a11,629	b477	a12,749
	All manmade and chiefly manmade.....	2,080	40,038	2,064	33,555
222IX 01	Olefin.....	485	9,584	481	a8,715
222IX 03	All other flat woven manmade fiber fabrics.....	1,595	30,454	1,583	24,840
	85 percent or more filament yarn.....	680	15,846	b708	r15,449
222IC 77	All polyester and chiefly polyester.....	196	b5,110	b235	b r4,972
222IC 78	All nylon and chiefly nylon.....	b39	1,047	a41	b1,207
222IC 98	All olefin and chiefly olefin.....	348	b8,636	b350	b7,994
222IC 99	All other filament fiber fabrics.....	97	1,053	b82	r1,276

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text for a discussion of estimation of missing reports): a10 to 25 percent of this item is estimated. b26 to 50 percent of this item is estimated.

These data are included in the data shown in tables 4, 5, and 6.

r Revised by 5 percent or more from previously published figures.

Table 9. PRODUCTION OF TIRE CORD AND TIRE CORD FABRICS  
(Thousands of pounds)

Product code	Product description	Production during quarter	
		First quarter 1989	Fourth quarter 1988
22960 00	Tire cord and tire cord fabrics.....	126,640	115,368
22960 12	Cotton tire cord and tire cord fabrics.....	(D)	(D)
22960 32	Rayon tire cord and tire cord fabrics.....	(D)	(D)
22960 35	Nylon tire cord and tire cord fabrics.....	45,071	39,722
22960 37	Polyester tire cord and tire cord fabrics.....	34,431	33,982
22960 38	Glass tire cord and tire cord fabrics.....	762	b 514
22960 45	Steel tire cord.....	b 40,811	b r 35,633
22960 51	All other tire cord and tire cord fabrics including chafer....	a4,221	a4,024

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text for a discussion of estimation of missing reports): a10 to 25 percent of this item is estimated. b26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies.

r Revised by 5 percent or more from previously published figures.

Table 10. LOOMS IN PLACE AND LOOM HOURS OPERATED IN BROADWOVEN FABRIC MILLS

Product description	First quarter 1989		Fourth quarter 1988	
	Looms in place (number)	Thousands of loom hours operated	Looms in place (number)	Thousands of loom hours operated
Total.....	128,563	215,287	130,388	211,274
Shuttle type looms.....	64,395	99,780	66,110	99,625
Single shuttle cam looms.....	43,818	69,142	44,965	69,810
Single shuttle dobby looms.....	12,612	a19,554	12,572	a19,621
Multiple shuttle box or head motion looms.....	4,725	47,290	4,910	a6,321
Double shuttle pile and plush, and jacquard looms.....	3,240	3,794	3,663	3,873
Shuttleless looms and weaving machines.....	64,165	115,569	64,278	111,649
Single filling insertion capability.....	38,165	69,548	38,455	68,100
Air jet looms.....	12,726	23,012	12,322	21,283
Water jet looms.....	6,234	11,201	6,241	11,237
Projectile looms.....	12,722	24,190	13,622	25,204
Rapier looms.....	6,483	11,145	6,270	10,376
Multiple filling insertion capability.....	25,397	44,875	25,192	42,448
Air jet looms.....	(D)	(D)	(D)	(D)
Water jet looms.....	(D)	(D)	(D)	(D)
Projectile looms.....	11,243	21,204	10,647	19,900
Rapier looms.....	11,982	19,774	12,345	19,159
Pile and plush looms.....	603	1,146	631	1,101

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text for a discussion of estimation of missing reports): a10 to 25 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies.



Table 11. PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF BROADWOVEN FABRICS: SECOND QUARTER 1989

(Quantity in thousands of square meters; value in thousands of dollars)

Product description	Manufacturers' shipments <sup>1</sup> (quantity)	Imports for consumption <sup>2</sup>		Percent imports to manufacturers' shipments (quantity)	Exports of domestic merchandise <sup>4</sup>		Percent exports to manufacturers' shipments (quantity)	Apparent consumption <sup>5</sup>		
		Quantity	Value <sup>3</sup>		Quantity	Value				
Cotton fabrics <sup>6</sup> .....	1,142,402	344,541	293,977	30.2	(NA)	(NA)	(NA)	(NA)		
Cheesecloth and batistes.....	(D)	14,525	7,998	(D)	13,159	18,466	(D)	(D)		
Print cloth.....	99,134	65,243	33,076	65.8	724	970	0.7	163,653		
Poplin and broadcloth.....	43,160	52,212	42,120	121.0	2,352	3,894	5.4	93,020		
Weighing 5.9 ounces or less per square yard.....	(D)	51,914	40,940	(D)	1,686	2,912	(D)	(D)		
Weighing more than 5.9 ounces per square yard.....	(D)	298	1,180	(D)	666	982	(D)	(D)		
Duck, including tape warp.....	7,472	20,018	19,683	267.9	1,792	3,763	24.0	25,698		
Sheeting.....	175,520	115,366	73,132	65.7	3,287	5,248	1.9	287,599		
Twills and sateens.....	88,665	40,573	47,668	45.8	2,773	6,176	3.1	126,465		
Oxfords.....	6,874	958	2,721	13.9	(NA)	(NA)	(NA)	(NA)		
All other constructions.....	50,586	12,732	17,129	25.2	4,619	11,866	9.1	58,699		
Blue Denim.....	160,897	7,222	10,947	4.5	9,992	18,146	6.2	158,127		
Yarn dyed fabric.....	81,384	13,480	31,704	16.6	2,513	4,568	3.1	92,351		
Pile fabrics, including yarn dyed.....	(D)	2,212	7,799	(D)	1,672	4,975	(NA)	(NA)		
Manmade fiber fabrics.....	2,740,381	152,246	322,386	5.6	(NA)	(NA)	(NA)	(NA)		
85% or more filament yarn fabrics.....	1,403,555	80,338	136,046	5.7	(NA)	(NA)	(NA)	(NA)		
Nylon and polyester high tenacity fabric.....	17,665	2,602	4,823	14.7	3,870	8,516	21.9	16,397		
Rayon high tenacity fabric.....	5,173	1,160	1,527	22.4	481	1,061	9.3	5,852		
Typewriter fabric.....	25,725	18	89	(Z)	(NA)	(NA)	(NA)	(NA)		
Rayon or acetate filament yarn fabrics.....	177,309	3,356	8,483	1.9	1,988	5,153	1.1	178,677		
Polyester filament yarn fabric.....	203,174	54,118	99,268	26.6	10,488	14,821	5.2	246,894		
Glass fiber fabric.....	91,055	9,903	8,990	10.9	(NA)	(NA)	(NA)	(NA)		
Nylon filament yarn fabric.....	98,510	6,528	7,619	6.6	4,673	8,919	4.7	100,365		
All other filament yarn fabric.....	784,944	2,653	5,247	(Z)	4,969	9,771	0.6	782,628		
85% or more spun yarn fabric.....	1,047,873	36,455	48,397	3.5	11,717	20,550	1.1	1,072,611		
Cheesecloth and batistes.....	(D)	1,434	1,265	(D)	11,717	20,550	(NA)	(NA)		
Poplin broadcloth.....	197,702	12,019	8,906	6.1			(NA)	(NA)		
Polyester/cotton.....	182,889	10,412	7,497	5.7			(NA)	(NA)		
Weighing 5.0 ounces or less per square yard.....	155,405	10,139	6,954	6.5			(NA)	(NA)		
Weighing more than 5.0 ounces per square yard.....	27,484	273	543	1.0			(NA)	(NA)		
All other spun yarns.....	14,813	1,607	1,409	10.8			(NA)	(NA)		
Print cloth.....	213,626	3,847	2,444	1.8			(NA)	(NA)		
Polyester/cotton.....	151,330	1,427	822	0.9			(NA)	(NA)		
All other spun yarns.....	62,296	2,420	1,622	3.9			(NA)	(NA)		
Duck.....	10,080	203	635	2.0			(NA)	(NA)		
Sheeting.....	320,631	3,875	3,596	1.2	11,717	20,550	(NA)	(NA)		
Polyester/cotton.....	(D)	3,364	2,183	(D)			(NA)	(NA)		
Weighing 5.0 ounces or less per square yard.....	(D)	3,364	2,183	(D)			(NA)	(NA)		
Weighing more than 5.0 ounces per square yard.....	(D)						(NA)	(NA)		
All other spun yarns.....	(D)						(NA)	(NA)		
Sateens or twills.....	139,866	6,137	9,788	4.4			(NA)	(NA)		
Oxford.....	4,336	17	62	(Z)			(NA)	(NA)		
All other spun manmade fiber fabrics.....	40,380	2,370	6,342	5.9			(NA)	(NA)		
Yarn dyed fabric.....	48,584	6,079	13,102	12.5			(NA)	(NA)		
Pile fabrics.....	(D)	474	2,257	(D)			2,154	6,460	(D)	(NA)
Spun/filament yarn combinations, including yarn dyed.....	(D)	17,159	33,998	(D)	7,647	19,774	(D)	(D)		
Chiefly manmade/wool blends.....	(D)	12,232	37,975	(D)	(NA)	(NA)	(D)	(D)		
Silk fabrics.....	(S)	6,062	65,970	(S)	207	1,579	(S)	(S)		
Wool fabrics.....	46,560	7,936	85,571	17.1	1,084	4,435	2.3	53,412		
Chiefly cotton fabrics blended with wool and other vegetable fibers and other vegetable fiber fabrics.....	(D)	873	2,744	(D)	1,395	4,080	(D)	(D)		

Note: Fabric blends as shown in Current Industrial Reports Series MQ22T are reported based on the chief weight of the fiber whereas fabric blends as shown for imports and exports are based on the chief value of the fiber.

(D) Data withheld to avoid disclosing figures for individual companies. (NA) Not available. (S) Suppressed. Data did not meet publication standards of the Bureau of the Census. (Z) Less than one-half of one percent.

<sup>1</sup>Represents production of gray broadwoven fabrics; import and export data represent gray as well as finished broadwoven fabrics. For a comparison of Standard Industrial Classification (SIC) based product codes with Schedule B export numbers and HTSUSA import numbers, see table 12.

<sup>2</sup>Source: Bureau of the Census Report EM 522, U.S. Exports.

<sup>3</sup>Source: Bureau of the Census Report IM 145, U.S. Imports for Consumption.

<sup>4</sup>This dollar value represents the c.i.f. (cost, insurance, and freight) at the first port of entry in the United States plus calculated import duty.

<sup>5</sup>Apparent consumption represents new domestic supply and is derived by subtracting exports from the total manufacturers' shipments plus imports.

<sup>6</sup>Includes all cotton and chiefly cotton mixed with manmade fiber.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH  
SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1989

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
22118 02 22118 42	Cotton cheesecloth and batistes.....	5208.11.2090, 5208.11.4090 5208.11.6000, 5208.11.8090 5208.12.4090, 5208.12.6090 5208.12.8090, 5208.21.2090 5208.21.4090, 5208.21.6090 5208.22.4090, 5208.22.6090 5208.22.8090, 5208.31.4090 5208.31.6090, 5208.31.8090 5208.32.3090, 5208.32.4090 5208.32.5090, 5208.51.4090 5208.51.6090, 5208.51.8090 5208.52.3090, 5208.52.4090 5208.52.5090, 5210.11.4090 5210.11.6090, 5210.11.8090 5210.21.4090, 5210.21.6090 5210.21.8090, 5210.31.4090 5210.31.6090, 5210.31.8090 5210.51.4090, 5210.51.6090 5210.51.8090, 5211.51.0090	5208.11.2090, 5208.11.4090 5208.11.9000, 5208.12.4090 5208.12.6090, 5208.12.8090 5208.21.2090, 5208.21.4090 5208.21.6090, 5208.22.4090 5208.22.6090, 5208.22.8090 5208.31.4090, 5208.31.6090 5208.31.8090, 5208.32.3090 5208.32.4090, 5208.32.5090 5208.51.4090, 5208.51.6090 5208.51.8090, 5208.52.3090 5208.52.4090, 5208.52.5090 5210.11.4090, 5210.11.6090 5210.11.8090, 5210.21.4090 5210.21.6090, 5210.21.8090 5210.31.4090, 5210.31.6090 5210.31.8090, 5210.51.4090 5210.51.6090, 5210.51.8090 5211.11.0090, 5211.21.0090 5211.31.0090, 5211.41.0090 5211.51.0090
22118 12	Cotton print cloth.....	5208.11.4060, 5208.12.6060 5208.21.4060, 5208.22.6060 5208.31.6060, 5208.32.4060 5208.51.6060, 5208.52.4060 5210.11.6060, 5210.21.6060 5210.31.6060, 5210.51.6060	5208.11.4060, 5208.12.6060 5208.21.4060, 5208.22.6060 5208.31.6060, 5208.32.4060 5208.51.6060, 5208.52.4060 5210.11.6060, 5210.21.6060 5210.31.6060, 5210.51.6060
22118 22	Cotton poplin and broadcloth (5.9 ounces or less per square yard).....	5208.11.2020, 5208.11.4020 5208.11.8020, 5208.12.4020 5208.12.6020, 5208.12.8020 5208.21.2020, 5208.21.4020 5208.21.6020, 5208.22.4020 5208.22.6020, 5208.22.8020 5208.31.4020, 5208.31.6020 5208.31.8020, 5208.32.3020 5208.32.4020, 5208.32.5020 5208.51.4020, 5208.51.6020 5208.51.8020, 5208.52.3020 5208.52.4020, 5208.52.5020 5210.11.4020, 5210.11.6020 5210.11.8020, 5210.21.4020 5210.21.6020, 5208.21.8020 5210.31.4020, 5210.31.6020 5210.31.8020, 5210.51.4020 5210.51.6020, 5210.51.8020	5208.11.2020, 5208.11.4020 5208.11.8020, 5208.12.4020 5208.12.6020, 5208.12.8020 5208.21.2020, 5208.21.4020 5208.21.6020, 5208.22.4020 5208.22.6020, 5208.22.8020 5208.31.4020, 5208.31.6020 5208.31.8020, 5208.32.3020 5208.32.4020, 5208.32.5020 5208.51.4020, 5208.51.6020 5208.51.8020, 5208.52.3020 5208.52.4020, 5208.52.5020 5210.11.4020, 5210.11.6020 5210.11.8020, 5210.21.4020 5210.21.6020, 5208.21.8020 5210.31.4020, 5210.31.6020 5210.31.8020, 5210.51.4020 5210.51.6020, 5210.51.8020
22118 32 22118 36	Cotton poplin and broadcloth (more than 5.9 ounces per square yard).....	5209.11.0020, 5209.21.0020 5209.31.6020, 5209.51.6020 5211.11.0020, 5211.21.0020 5211.31.0020, 5211.51.0020	5209.11.0020, 5209.21.0020 5209.31.6020, 5209.51.6020 5211.11.0020, 5211.21.0020 5211.31.0020, 5211.51.0020
22118 71	Duck.....	5209.11.0090, 5209.19.0060 5209.21.0090, 5209.29.0060 5209.31.6090, 5209.39.0060 5209.51.6090, 5209.59.0060 5211.11.0090, 5211.19.0060 5211.21.0090, 5211.29.0060 5211.31.0090, 5211.39.0060 5211.51.0090, 5211.59.0060	5209.11.0090, 5209.21.0090 5209.31.6090, 5209.51.6090 5211.11.0090, 5211.21.0090 5211.31.0090, 5211.51.0090
22118 51 22118 62 22118 64 22118 66	Sheeting.....	5208.11.2040, 5208.11.4040 5208.12.4040, 5208.12.6040 5208.21.2040, 5208.21.4040 5208.22.4040, 5208.22.6040 5208.31.4040, 5208.31.6040 5208.32.3040, 5208.32.4040 5208.51.4040, 5208.51.6040 5208.52.3040, 5208.52.4040 5209.11.0030, 5209.11.0050 5209.21.0030, 5209.21.0050 5209.31.6030, 5209.31.6050 5209.51.6030, 5209.51.6050 5210.11.4040, 5210.11.6040 5210.21.4040, 5210.21.6040 5210.31.4040, 5210.31.6040 5210.51.4040, 5210.51.6040 5211.11.0030, 5211.11.0050 5211.21.0030, 5211.21.0050 5211.31.0030, 5211.31.0050 5211.51.0030, 5211.51.0050	5208.11.2040, 5208.11.4040 5208.12.4040, 5208.12.6040 5208.21.2040, 5208.21.4040 5208.22.4040, 5208.22.6040 5208.31.4040, 5208.31.6040 5208.32.3040, 5208.32.4040 5208.51.4040, 5208.51.6040 5208.52.3040, 5208.52.4040 5209.11.0040, 5209.21.0040 5209.31.6040, 5209.51.6040 5210.11.4040, 5210.11.6040 5210.21.4040, 5210.21.6040 5210.31.4040, 5210.31.6040 5210.51.4040, 5210.51.6040 5211.11.0040, 5211.21.0040 5211.31.0040, 5211.51.0040

See Footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH  
SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1989--Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2211C 12	} Twills and sateens.....	5208.13.0000, 5208.19.2020	} 5208.13.0000, 5208.19.2000 5208.23.0000, 5208.29.2000 5208.33.0000, 5208.39.2000 5208.53.0000, 5208.59.2000 5209.12.0020, 5209.12.0040 5209.19.0020, 5209.19.0040 5209.22.0020, 5209.22.0040 5209.29.0020, 5209.29.0040 5209.32.0020, 5209.32.0040 5209.39.0020, 5209.39.0040 5209.52.0020, 5209.52.0040 5209.59.0020, 5209.59.0040 5210.12.0000, 5210.19.2020 5210.19.2090, 5210.22.0000 5210.29.2020, 5210.29.2090 5210.32.0000, 5210.39.2020 5210.39.2090, 5210.52.0000 5210.59.2020, 5210.59.2090 5211.12.0020, 5211.12.0040 5211.19.0020, 5211.19.0040 5211.22.0020, 5211.22.0040 5211.29.0020, 5211.29.0040 5211.32.0020, 5211.32.0040 5211.39.0020, 5211.39.0040 5211.52.0020, 5211.52.0040 5211.59.0020, 5211.59.0040
2211C 22			
2211C 32			
2211C 34			
2211C 05			
2211C 01	} Blue denim.....	5209.42.0020, 5211.42.0020	} 5209.42.0020, 5211.42.0020 5209.42.0040, 5211.42.0040
2211C 03		5209.42.0040, 5211.42.0040	
2211E 00	Pile fabrics (including yard dyed).....	5801.21.0000-5801.26.0020 5802.11.0000, 5802.11.0000	5801.21.0000-5801.26.0000 5802.11.0000-5802.30.9000
2211Y XX	Cotton yarn dyed.....	5208.41.4000-5208.41.8000 5208.42.3000-5208.42.5000 5208.43.0000-5208.49.8090 5209.41.6020, 5209.41.6040 5209.43.0020-5209.49.0090 5210.41.4000-5210.49.8090 5211.41.0020, 5211.41.0040 5211.43.0020-5211.49.0090	5208.41.9000, 5208.42.9000 5208.43.0000, 5208.49.2000 5208.49.9000, 5209.41.6070 5209.43.0000, 5209.49.0000 5210.41.0000-5210.49.9000 5211.41.0000, 5211.43.0000 5211.49.0000
2211D 12	Oxfords.....	5208.19.4020, 5208.19.6020 5208.19.8020, 5208.29.4020 5208.29.6020, 5208.29.8020 5208.39.4020, 5208.39.6020 5208.39.8020, 5208.59.4020 5208.59.6020, 5208.59.8020 5210.19.4020, 5210.19.6020 5210.19.8020, 5210.29.4020 5210.29.6020, 5210.29.8020 5210.39.4020, 5210.39.6020 5210.39.8020, 5210.59.4020 5210.59.6020, 5210.59.8020	} 5208.19.9000, 5208.29.9000 5208.39.9000, 5208.59.9000 5209.19.0070, 5209.29.0070 5209.39.0070, 5209.59.0070 5210.19.9000, 5210.29.9000 5210.39.9000, 5210.59.9000 5211.19.0070, 5211.29.0070 5211.39.0070, 5211.59.0070
2211D 32	} All other constructions.....	5208.19.4090, 5208.19.6090	
2211D 35		5208.19.8090, 5208.29.4090	
2211D 45		5208.29.6090, 5208.29.8090	
2211D 52		5208.39.4090, 5208.39.6090	
2211D 62		5208.39.8090, 5208.59.4090	
2211D 64		5208.59.6090, 5208.59.8090	
		5209.19.0090, 5209.29.0090	
		5209.39.0080, 5209.39.0090	
		5209.59.0090, 5210.19.4090	
		5210.19.6090, 5210.19.8090	
		5210.29.4090, 5210.29.6090	
		5210.29.8090, 5210.39.4090	
		5210.39.6090, 5210.39.8090	
		5210.59.4090, 5210.59.6090	
		5210.59.8090, 5211.19.0090	
		5211.29.0090, 5211.39.0090	
		5211.59.0090	

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH  
SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1989--Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221C 01 2221C 03	Nylon and polyester high tenacity fabrics....	5407.10.0010, 5407.10.0090	5407.10.0000
2221B 01	Rayon high tenacity fabrics.....	5408.10.0000	5408.10.0000
2221C 11	Typewriter fabrics.....	5407.41.0010, 5407.41.0020	
2221C 13 2221C 15 2221C 23 2221C 25 2221C 31 2221C 33	Other nylon filament fabrics.....	5407.41.0030-5407.44.0060	5407.41.0000-5407.44.0000
2221B 21 2221B 23 2221B 25 2221B 27 2221B 41 2221B 43 2221B 51 2221B 53	Rayon and acetate filament yarn fabrics.....	5408.21.0030-5408.24.0060	5408.21.0000-5408.24.0000
2221C 43 2221C 44 2221C 45 2221C 50 2221C 62 2221C 66 2221C 73	Polyester filament yarn fabric.....	5407.51.0020, 5407.51.0040 5407.51.0060, 5407.52.2020 5407.52.2040, 5407.52.2060 5407.53.2020, 5407.53.2040 5407.53.2060, 5407.54.0020 5407.54.0040, 5407.54.0060 5407.60.2005, 5407.60.2010 5407.60.2015, 5407.60.2025 5407.60.2030, 5407.60.2035 5407.60.2045, 5407.60.2050 5407.60.2055, 5407.60.2065 5407.60.2070, 5407.60.2075	5407.51.0000, 5407.52.0000 5407.53.0000, 5407.54.0000
2221C 82 2221C 89	Glass fiber fabrics.....	7019.20.2000, 7019.20.5000	7019.20.4000
2221C 92 2221C 93	All other filament yarn fabrics.....	5407.71.0030-5407.74.0060	5407.71.0000-5407.74.0000
2221D 04 2221D 08 2221D 43 2221D 44	Chiefly manmade fiber cheesecloth, lawns, and batistes.....	5512.11.0040, 5512.19.0035 5512.21.0040, 5512.29.0030 5512.91.0040, 5512.99.0030 5513.11.0090, 5513.19.0040 5513.21.0090, 5513.29.0040 5513.41.0090, 5513.49.0040 5515.11.0030, 5515.19.0030 5515.29.0030, 5515.99.0030 5516.41.0040, 5516.42.0040 5516.44.0040, 5516.91.0040 5516.92.0040, 5516.94.0040	
2221D 24 2221D 26	Poplin and broadcloth poly/cotton (5.0 ounces or less per square yard).....	5513.11.0020, 5513.21.0020 5513.41.0020	
2221D 28 2221D 32	Poplin and broadcloth poly/cotton (over 5.0 ounces per square yard).....	5514.11.0020, 5514.21.0020 5514.41.0020	
2221D 34	Poplin and broadcloth, all other spun yarn...	5512.11.0010, 5512.19.0015 5512.21.0010, 5512.29.0015 5512.91.0010, 5512.99.0015 5513.19.0010, 5513.29.0010 5513.49.0010, 5514.19.0010 5514.29.0010, 5514.49.0010 5515.11.0015, 5515.19.0015 5515.29.0015, 5515.99.0015 5516.41.0010, 5516.42.0010 5516.44.0010, 5516.91.0010 5516.92.0010, 5516.94.0010	

See footnote at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH  
SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1989--Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
22210 14	Poly/cotton print cloth.....	5513.11.0060, 5513.21.0060 5513.41.0060	
22210 16 22210 18	Other spun yarn, chiefly manmade fiber print cloth.....	5512.11.0030, 5512.19.0030 5512.21.0030, 5512.29.0025 5512.91.0030, 5512.99.0025 5513.19.0030, 5513.29.0030 5513.49.0030, 5515.11.0025 5515.19.0025, 5515.29.0025 5515.99.0025, 5516.41.0030 5516.42.0030, 5516.44.0030 5516.91.0030, 5516.92.0030 5516.94.0030	
22210 88 22210 92		5512.11.0050, 5512.19.0040 5512.21.0050, 5512.29.0035 5512.91.0050, 5512.99.0035 5514.11.0090, 5514.13.0040 5514.19.0030, 5514.21.0090 5514.23.0040, 5514.29.0030 5514.41.0090, 5514.43.0040 5514.49.0030, 5515.11.0035 5515.19.0035, 5515.29.0035 5515.99.0035, 5516.41.0050 5516.42.0050, 5516.44.0050 5516.91.0050, 5516.92.0050 5516.94.0050	
22210 51 22210 53 22210 74 22210 76		5513.11.0040, 5513.21.0040 5513.41.0040, 5514.11.0030 5514.11.0050, 5514.21.0030 5514.21.0050, 5514.41.0030 5514.41.0050	
22210 55 22210 64 22210 66 22210 82 22210 84 22210 86		5512.11.0022, 5512.11.0027 5512.19.0022, 5512.19.0027 5512.21.0020, 5512.29.0020 5512.91.0020, 5512.99.0020 5513.19.0020, 5513.29.0020 5513.49.0020, 5514.19.0020 5514.29.0020, 5514.49.0020 5515.11.0020, 5515.19.0020 5515.29.0020, 5512.99.0020 5516.41.0022, 5516.41.0027 5516.42.0022, 5516.42.0027 5516.44.0022, 5516.44.0027 5516.91.0020, 5516.92.0020 5516.94.0020	5512.11.0000-5514.49.0000 5515.11.0000, 5515.19.0000 5515.29.0000, 5515.99.0000 5516.41.0000-5516.94.0000
2221E 03 2221G 46		5512.19.0010, 5512.29.0010 5512.99.0010, 5514.32.0010 5514.39.0010, 5515.11.0010 5515.19.0010, 5515.29.0010 5515.99.0010, 5516.43.0010 5516.93.0010	
2221E 14 2221E 22 2221E 24 2221E 26 2221E 28 2221F 05 2221F 07		5512.11.0060, 5512.19.0045 5512.21.0060, 5512.29.0040 5512.91.0060, 5512.99.0040 5513.12.0000, 5513.13.0020 5513.19.0050, 5513.22.0000 5513.23.0020, 5513.29.0050 5513.42.0000, 5513.43.0020 5513.49.0050, 5514.12.0020 5514.12.0040, 5514.13.0020 5514.19.0040, 5514.22.0020 5514.22.0040, 5514.23.0020 5514.29.0040, 5514.42.0020 5514.42.0040, 5514.43.0020 5514.49.0040, 5515.11.0040 5515.19.0040, 5515.29.0040 5515.99.0040, 5516.11.0020 5516.12.0020, 5516.14.0020 5516.41.0060, 5516.42.0060 5516.44.0060, 5516.91.0060 5516.92.0060, 5516.94.0060	
2221F 12 2221F 16		5512.11.0070, 5512.19.0050 5512.21.0070, 5512.29.0045 5512.91.0070, 5512.99.0045 5513.13.0040, 5513.19.0060 5513.23.0040, 5513.29.0060 5513.43.0040, 5513.49.0060 5515.11.0045, 5515.19.0045 5515.29.0045, 5515.99.0045 5516.41.0070, 5516.42.0070 5516.44.0070, 5516.91.0070 5516.92.0070, 5516.94.0070	

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH  
SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1989--Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221X XX	Manmade fiber yarn dyed.....	5512.19.0005, 5512.29.0005 5512.99.0005, 5513.31.0000-5513.39.0090 5514.31.0000, 5514.32.0090 5514.33.0010, 5514.33.0090 5514.39.0020, 5514.39.0090 5515.11.0005, 5515.19.0005 5515.29.0005, 5515.99.0005 5516.13.0000, 5516.43.0020-5516.43.0090 5516.93.0020, 5516.93.0090	
2221F 33	All other manmade fiber spun yarn.....	5512.11.0090, 5512.19.0090	
2221F 36		5512.21.0090, 5512.29.0090	
2221F 42		5512.91.0090, 5512.99.0090	
2221F 44		5513.13.0090, 5513.19.0090	
2221F 52		5513.23.0090, 5513.29.0090	
2221F 54		5513.43.0090, 5513.49.0090	
2221F 56		5514.13.0090, 5514.19.0090	
2221F 58		5514.23.0090, 5514.29.0090 5514.43.0090, 5514.49.0090 5515.11.0090, 5515.19.0090 5515.29.0090, 5515.99.0090 5516.41.0090, 5516.42.0090 5516.44.0090, 5516.91.0090 5516.92.0090, 5516.94.0090	
2221H 21	Manmade/wool blends, chiefly manmade.....	5407.91.1000, 5407.92.1000	
2221H 22		5407.93.1000, 5407.94.1000	
2221H 92		5408.31.1000, 5408.32.1000	
2221H 98		5408.33.1000, 5408.34.1000	
		5515.13.0000, 5515.13.1000 5515.22.0000, 5515.22.1000 5515.92.0000, 5515.92.1000 5516.31.0000-5516.34.1000	
2221G 04	Spun/filament combinations.....	5407.81.0010-5407.84.0090	
2221G 07		5407.91.2020-5407.91.2090	
2221G 19		5407.92.2020-5407.92.2090	
2221G 21		5407.93.2020-5407.93.2090	
2221G 33		5407.94.2020-5407.94.2090	
2221G 45		5408.31.2020-5408.31.2090	
2221G 48		5408.32.9020-5408.32.9090	
2221G 39		5408.33.9020-5408.33.9090	
2221G 63		5408.34.9020-5408.34.9090	
2221G 68		5515.12.0010-5515.12.0090	
2221G 82		5515.21.0010-5515.21.0090	
2221G 84		5515.91.0010-5515.91.0090	
2221G 87		5516.21.0010-5516.24.0090	
2221H 01	Manmade fiber pile.....	5801.31.0000-5801.36.0000	
2221H 11		5802.20.0020, 5802.30.0030	
2221H 31	Silk fabrics.....	5007.10.3020-5007.90.6090	
22312 01	Wool fabrics.....	5111.11.6000-5112.90.6090	
22312 02		5212.11.1010, 5212.11.1020	
22312 21		5212.12.1010, 5212.12.1020	
22312 23		5212.13.1010, 5212.13.1020	
22312 62		5212.14.1010, 5212.14.1020	
22312 85		5212.15.1010, 5212.15.1020	
		5212.21.1010, 5212.21.1020	
		5212.22.1010, 5212.22.1020	
		5212.23.1010, 5212.23.1020	
		5212.24.1010, 5212.24.1020	
		5212.25.1010, 5212.25.1020	
		5407.91.0510, 5407.91.0520	
		5407.92.0510, 5407.92.0520	
		5407.93.0510, 5407.93.0520	
		5407.94.0510, 5407.94.0520	
		5408.31.0510, 5408.31.0520	
		5408.32.0510, 5408.32.0520	
		5408.33.0510, 5408.33.0520	
		5408.34.0510, 5408.34.0520	
		5515.13.0510, 5515.13.0520	
		5515.22.0510, 5515.22.0520	
		5515.92.0510, 5515.92.0520	
		5516.31.0510, 5516.31.0520	
		5516.32.0510, 5516.32.0520	
		5516.33.0510, 5516.33.0520	
		5516.34.0510, 5516.34.0520	
		5801.10.0000	
		5111.11.0000-5112.90.0000 5801.14.0000	

<sup>1</sup>Source: 1989 edition, Harmonized System-Based Schedule B, Statistical Classification of Domestic and Foreign  
Commodities Exported from the United States.

<sup>2</sup>Source: Harmonized Tariff Schedule of the United States, Annotated (1989).



## DESCRIPTION OF SURVEY

**Scope of Survey.** This survey covers all companies manufacturing broadwoven fabrics (gray) in the United States, except very small firms (generally less than 5 employees) for which 1982 Census of Manufactures data were derived from administrative records of other Government agencies.

**Survey Methodology.** The statistics in this publication were collected by mail on Bureau of the Census quarterly Form MQ22T, Broadwoven Fabrics (Gray). The survey panel includes all known manufacturers of broadwoven fabrics (gray), except those very small firms excluded from the scope of the survey. Approximately 400 establishments are included.

**Reliability of Data.** Survey error may result from several sources: (1) inability to obtain information about all cases in the survey, (2) response errors, (3) definitional difficulties, (4) differences in the interpretation of questions, (5) mistakes in recording or coding the data obtained, and (6) other errors of collection, response, coverage, and estimation for missing data. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is due to imputing data for nonrespondents, for late reporters, and for data which failed the edit. Missing figures are imputed based on quarter-to-quarter movements shown by reporting firms. Imputation generally is limited to a maximum of 10 percent for any one data cell. Figures with imputation rates greater than 10 percent are footnoted.

The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse, because the actual quarterly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is not precisely known, but is assumed to be small. The degree of uncertainty regarding the accuracy of the published data, however, increases as the percentage of imputation increases. Figures with imputation rates above 25 percent should be used with caution.

**Revisions to Previous Period Data.** Statistics for previous quarters may be revised as the result of corrected data from respondents, including the receipt of late reports for which imputations were made as described above. Figures which have been revised by more than 5 percent from previously published figures are indicated by footnotes.

## EXPLANATION OF TERMS

*Woolen and Worsted Fabrics, Chiefly Wool.* Fabrics 36 percent or more by weight of wool, reprocessed wool, or reused wool. Apparel fabrics include all fabrics that may be labeled as being made entirely of wool, reprocessed wool, and reused wool under the Wool Products Labeling Act. This includes blends of wool of sheep with, and fabrics entirely of mohair, cashmere, camel hair, alpaca, llama, and vicuna.

*Cotton Fabrics.* Fabrics wholly or chiefly by weight of cotton.

*Manmade Fiber Fabrics.* Fabrics wholly or chiefly by weight of manmade fibers.

*Blends and Mixtures.* Fabrics made from more than one fiber are classified in the same way as other fabrics, i.e., according to whether the fabric is chiefly cotton, wool, or manmade fiber. As examples, a fabric which is 55 percent cotton and 45 percent rayon is classified as cotton; a fabric which is 40 percent cotton, 30 percent rayon, and 30 percent acetate is classified as manmade.

Blends and mixture which are by weight 50 percent natural fiber and 50 percent manmade fiber are, for purposes of continuity, classified in the manmade category.

*Production.* Represents total production of broadwoven gray fabrics by all weaving mills regardless of their primary activity.

*Units of Quantity.* Production is reported in thousands of square yards except for woven felts, tire cord and tire cord fabrics, which are reported in thousands of pounds.

*Looms Operating.* Represents number of looms operating at the end of the quarter, assigned to the specific fabrics.

*Spun Yarn Fabrics.* Includes all fabrics that contain 85 percent or more spun yarns.

*Filament Yarn Fabrics.* Includes all fabrics that contain 85 percent or more filament yarns.

*Spun/Filament Combinations.* Includes fabrics that are combinations of spun and filament yarn where neither the spun or filament yarns exceed 85 percent.

*Plain Weave Fabrics.* A fabric construction in which each yarn of the weft passes alternately over and under successive yarns of the warp and each yarn of the warp passes alternately over and under successive yarns of the weft.



*Tobacco, Cheese, and Bandage Cloth.* Fabrics of plain weave, weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) consisting of 85 or less warp ends and filling picks per square inch whether or not napped.

*Print Cloth.* Fabrics of plain weave, weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) of average yarn numbers 26-40, consisting of more than 85 singles yarns per square inch, of square construction, whether or not of yarns of different colors (yarn dyed), whether or not napped.

*Poplin and Broadcloth.* Fabrics of plain weave, not of square construction, whether or not napped, but does not include the following types—fabrics weighing not more than 5.9 ounces per square yard, containing 85 or less warp ends and filling picks per square inch, or fabrics weighing more than 5.9 ounces per square yard of average yarn number 15 or lower.

*Lawns, Voiles, and Batistes.* Fabrics of plain weave weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) consisting of more than 85 warp ends and filling picks per square inch, of square construction, of average yarn number 41 or higher, whether or not napped.

*Sheeting.* Fabrics of plain weave, whether or not napped, of the following types:

Fabrics weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), of square construction, containing more than 85 warp end and filling picks per square inch, of average yarn number 40 or lower, but not including print cloth.

Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) but does not include fabrics of which the warp or filling, or both, consists of multiple (folded) or cabled yarns, of average yarn number 15 or lower or fabrics of average yarn number 16 or higher number, not of square construction.

*Twill Weave Fabrics.* Fabrics in which the warp and filling yarns are interlaced in such a manner as to produce a diagonal or bias effect on the face of the fabric.

*Blue Denim.* Fabrics of 3 or 4- thread twill, including broken twill, warp faced, the warp yarns of which are dyed blue and the weft yarns of which are unbleached, bleached, dyed grey or colored a lighter shade of blue than that of the warp yarns.

*All Other Denim.* Includes sport denims and all other denim not include above.

*Canton Flannel.* Fabric woven with a four-harness warp face twill with heavy, soft filling yarn, and a medium count warp. A long nap is raised on the back.

*Sateens.* Fabrics woven with a satin weave, whether or not napped, in which the surface of the cloth consists almost entirely of warp or filling floats; that is, in the repeat of a weave pattern, each yarn of one system passes over several yarns of the other system before interlacing.

*Oxfords.* Fabrics weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), whether or not napped, woven as plain weave except that two or more warp ends are woven as one (taped warp). Oxford cloth is not to be classified as a plain weave fabric.

*Duck.* Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), of average yarn number 15 or lower number, whether or not napped, of a plain weave where the warp or filling or both, consists of multiple (folded) or cabled yarns.

*Taped Warp Duck.* Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces (chiefly cotton fabric), of average yarn number 15 or lower number, whether or not napped, of a plain weave except that two or more warp ends are woven as one (tape warp) whether or not containing multiple (folded) or cabled yarns.

*Shirting, Jacquard or Dobby.* Fabrics weighing not more than 5 ounces per square (chiefly manmade fiber) or 5.9 ounces per square yard (chiefly cotton fiber) whether or not napped, woven wholly or in part with jacquard or dobby attachment.

*Table Damask.* Fabrics, whether or not napped, woven wholly or in part with jacquard or dobby attachment characterized by elaborate decorative designs, usually of floral patterns. The designs are reversible and are formed by warp-face satin weave. Table damask is generally all white, although it is sometimes made with colored stripes or in solid pastel shades.

*High Tenacity Yarn Fabric.* Fabric made from yarns having a tenacity, expressed in centinewtons per tex (cN/tex) greater than 60 cN/tex for multiple (folded) or cabled yarns of nylon or polyester; or 27 cN/tex for multiple (folded), cabled, or singles yarns of viscose rayon.

*Flat Filament Fabrics.* Fabrics containing filament yarns having less than twelve turns per inch.



## COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

The trade comparisons shown in this report should be considered only as approximations. Several problems prevent precise comparisons among imports, exports, and domestic output. These problems include the following:

- Export and import comparisons do not account for the origin of materials used to manufacture the finished product. Domestic output includes any goods that undergo substantial transformation into a finished product in the U.S., even if the goods are partially constructed abroad or are constructed of imported materials.
- There will be a lag between the time a producer makes or ships a product and the time it is actually exported. Similarly, there may be a lag between the time a product is imported and when it enters into U.S. distribution channels.
- The basic structure of these classification systems differ. The Standard Industrial Classification (SIC) system used for domestic output was developed independently of the Harmonized System (HS) used to classify imports and exports. The level of detail provided by the different systems varies substantially, reflecting their different objectives. For example, there are a number of imported commodities that have no comparable domestic output classification.
- Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of domestic output data for such commodities may contain some duplication.
- Import and export data reflect the movement of merchandise into and out of U.S. foreign trade zones, the U.S. Virgin Islands, and the U.S. customs territory of the 50 States, the District of Columbia, and Puerto Rico. Domestic output reflects activity in the 50 States and, only if specified, in Puerto Rico.
- Import and export data generally do not distinguish between new, used or rebuilt commodities.
- The valuation of the three data sets differ. Domestic output is valued at the point of production. It includes the net sales price, f.o.b. plant, after discounts and allowances, and excludes freight charge and excise taxes. Exports are valued at the point of exportation. It includes the net sales price or value, and inland freight, insurance and other charges to the export point. Imports are valued at the first port of entry in the United States. They include the cost, insurance, freight, duty, and other charges to the import point.

- Detailed commodity information is not included for individual export or import shipments at or below a certain dollar limit. This dollar limit is \$1,500 for exports and \$1,000 for imports, except for import of textiles and textile products, gloves, footwear, and miscellaneous rubber and plastics products, where the limit is \$250.

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MQ23X	Quarterly	<i>Sheets, Pillowcases, and Towels</i>
MA22F.1	Annually	<i>Textured Yarn Production</i>
MA22F.2	Annually	<i>Spun Yarn Production</i>
MA22G	Annually	<i>Narrow Fabrics</i>
MA22K	Annually	<i>Knit Fabric Production</i>
MA22Q	Annually	<i>Carpet and Rugs</i>
MA22M	Biennially	<i>Stocks of Wool and Related Fibers</i>
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MA23D	Annually	<i>Gloves and Mittens</i>
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<b>Subject Area</b>	<b>Contact</b>	<b>Phone Number</b>	Foreign Trade	Trade Data Inquiries Staff (FTD)	(301) 763-5140
Current Industrial Report MQ22T	Judy Dodds	(301) 763-7536			
Manufacturers' Shipments, Inventories, and Orders	Kathleen Menth	(301) 763-2575	Office of Textiles and Apparel	James Bennett	(202) 377-4058
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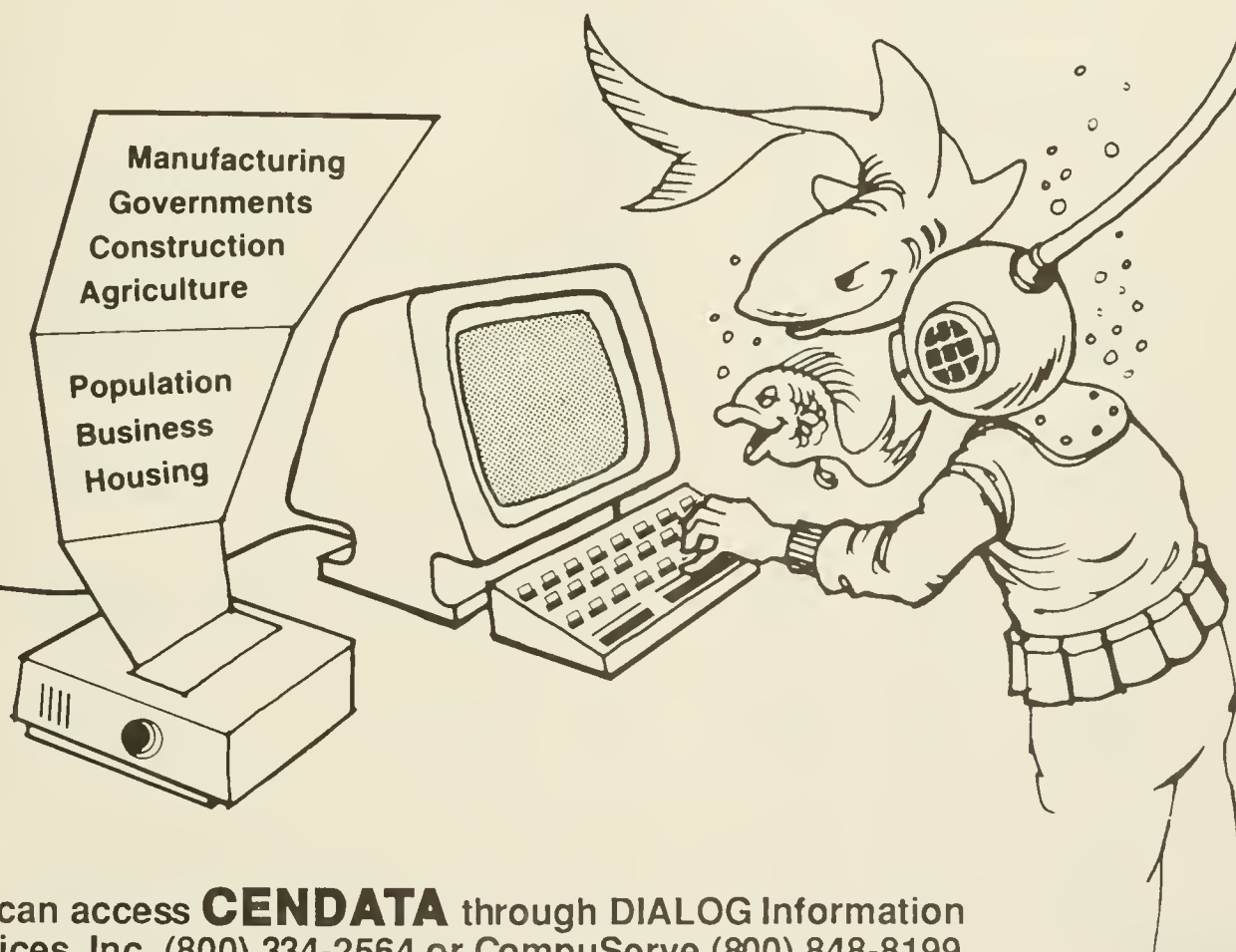


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MQ 22T  
(89)-2

# Broadwoven Fabrics (Gray)

SECOND QUARTER 1989

U.S. Department of Commerce  
BUREAU OF THE CENSUS

MQ22T(89)-2  
Issued October 1989

The statistics in this publication are based on a survey of manufactures and represent total U.S. production of broadwoven fabrics over 12 inches. Estimates are included for companies whose reports were not received in time

for tabulation. A description of the survey methodology and related information may be found in the first quarter 1989 report for this series, MQ22T(89)-1, issued July 1989.

This report is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100.

Table 1. SUMMARY OF PRODUCTION OF BROADWOVEN GRAY FABRICS, BY TYPE OF FABRIC: 1984 TO 1989

(Millions of square yards)

Year	Chiefly cotton fabrics	Manmade fiber fabrics, including silk and manmade/wool blends	Chiefly wool fabric	Tire cord and tire cord fabrics
1989				
Second quarter.....	1,183.3	2,736.5	48.8	171.1
First quarter.....	1,149.8	2,762.7	47.5	<sup>r</sup> 166.9
1988				
Fourth quarter.....	1,029.3	2,811.6	44.7	115.4
Third quarter.....	1,047.5	2,661.1	43.0	129.1
Second quarter.....	1,213.1	2,883.3	53.0	124.9
First quarter.....	1,232.6	2,870.9	50.6	128.6
1987				
Fourth quarter.....	1,178.2	2,945.9	40.9	126.8
Third quarter.....	1,219.1	2,787.7	36.0	122.1
Second quarter.....	1,216.9	2,764.0	45.9	121.9
First quarter.....	1,158.0	2,736.7	46.0	124.5
1986				
Fourth quarter.....	1,129.3	2,785.4	30.2	116.0
Third quarter.....	1,095.2	2,561.5	27.8	105.9
Second quarter.....	1,102.6	2,659.8	41.2	108.8
First quarter.....	1,037.0	2,757.5	40.2	112.8
1985				
Fourth quarter.....	955.4	2,696.4	34.0	112.2
Third quarter.....	933.0	2,652.6	24.3	107.9
Second quarter.....	1,001.7	2,685.7	39.5	129.5
First quarter.....	1,030.3	2,761.9	40.6	145.9
1984				
Fourth quarter.....	955.2	2,878.2	36.7	143.0
Third quarter.....	946.6	2,921.5	29.7	135.4
Second quarter.....	1,031.5	3,026.3	44.3	146.3
First quarter.....	1,068.8	3,026.4	48.6	139.9

<sup>r</sup>Revised by 5 percent or more from previously published figures.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, call Judy Dodds, (301) 763-7536.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.



Table 2. SUMMARY OF PRODUCTION AND LOOM ASSIGNMENTS OF BROADWOVEN GRAY FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1989		First quarter 1989		Production, year-to-date (M sq. yards)
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)	
	Cotton and chiefly cotton fabrics mixed mainly or solely with manmade fibers.....	40,025	1,183,305	41,078	1,149,843	2,333,148
2211B 00	Plain weaves.....	20,705	603,484	21,801	637,945	1,241,429
2211C 00	Twill weaves.....	7,481	319,386	6,872	269,068	588,454
2211D 00	All other weaves except pile.....	<sup>a</sup> 5,071	120,188	<sup>a</sup> 5,370	112,454	232,642
2211E 00	Pile fabrics.....	6,768	140,247	7,035	130,376	270,623
	Chiefly cotton fabrics mixed mainly or solely with other than manmade fibers....	(D)	(D)	(D)	(D)	(D)
	Manmade fiber and silk gray broadwoven fabrics.....	75,155	2,736,538	76,939	2,762,684	5,499,222
2221B 00	85 percent or more filament rayon and/or acetate fabrics.....	9,581	189,154	9,633	182,115	371,269
2221C 00	85 percent or more filament fabrics, except rayon and/or acetate.....	19,531	1,184,962	18,447	1,209,015	2,393,977
	85 percent or more spun yarn fabrics, except wool blends.....	37,403	1,050,741	39,643	1,055,446	2,106,187
2221D 00	Plain weave, except pile.....	28,940	832,637	31,023	848,683	1,681,320
2221E 00	Twill weave, except pile.....	4,733	139,442	4,615	131,258	270,700
2221F 00	All other weaves, except pile.....	3,730	78,662	4,005	75,505	154,167
2221G 00	Spun/filament yarn combinations.....	(D)	(D)	(D)	(D)	(D)
2221H 10	Pile fabrics.....	866	15,058	859	14,515	29,573
2221H 2X	All other chiefly manmade fiber fabrics, including chiefly manmade fiber blends with wool.....	(D)	(D)	(D)	(D)	(D)
2221H 31	Silk fabrics.....	<sup>a</sup> 153	<sup>a</sup> 432	<sup>a</sup> 152	<sup>a</sup> 414	846
	Woolen and worsted fabrics.....	2,229	48,825	2,220	47,475	96,300

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter 1989 report, MQ22T(89)-1, issued June 1989, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.

Table 3. SUMMARY OF PRODUCTION OF BROADWOVEN FABRIC BY TEXTILE CATEGORY

(Thousands of square yards)

Product description	Production during quarter		Production year-to-date
	Second quarter 1989	First quarter 1989	
Blue denim.....	188,016	162,316	350,332
All other yarn dyed fabric.....	131,208	130,006	261,214
Plain weave.....	29,362	<sup>r</sup> 36,400	65,762
Twill weave.....	31,507	<sup>r</sup> 28,137	59,644
All other weave.....	70,339	<sup>r</sup> 65,469	135,808
Cheesecloth and batistes.....	334,770	356,110	690,880
Duck.....	(D)	(D)	(D)
Oxfords.....	19,850	<sup>r</sup> 13,088	32,938
Pile fabrics.....	155,305	144,891	300,196
Special weave fabric.....	92,423	90,930	183,353
Other fabrics, chiefly cotton fiber:			
Print cloth.....	85,383	97,582	182,965
Poplin and broadcloth.....	39,420	43,160	82,580
Sheeting.....	170,953	178,220	349,173
Twill.....	103,365	80,412	183,777
Sateens.....	8,036	8,369	16,405
Other fabrics, chiefly manmade fiber:			
Manmade/wool blends.....	(D)	(D)	(D)
85 percent or more filament yarn fabrics:			
Typewriter fabric.....	24,935	25,725	50,660
Other nylon.....	107,762	107,319	215,081
Rayon and acetate.....	189,154	182,115	371,269
Polyester.....	193,128	201,657	394,785
Glass fiber.....	84,543	91,055	175,598
All other.....	774,594	783,259	1,557,853
85 percent or more spun yarn fabrics:			
Print cloth.....	192,447	210,973	403,420
Poplin and broadcloth.....	207,836	<sup>r</sup> 199,294	407,130
Sheeting.....	355,073	<sup>r</sup> 346,946	702,019
Twill and sateens.....	146,255	139,866	286,121
Spun filament combinations except blue denim:			
Print cloth.....	80,173	86,818	166,991
Poplin and broadcloth.....	37,463	37,478	84,941
Sheeting.....	38,026	39,931	77,957
Twill and sateens.....	29,767	<sup>r</sup> 33,798	63,565
Other.....	79,415	<sup>r</sup> 84,422	163,837
Wool fabrics.....	48,825	47,475	96,300
Silk fabrics.....	<sup>a</sup> 432	<sup>a</sup> 414	846

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter 1989 report, MQ22T(89)-1, issued June 1989, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND FLEE FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1989		First quarter 1989	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
22118 02	Tobacco, cheese, and bandage cloth.....	5,444	337,162	5,734	354,919
2221D 04	More than 50 percent cotton.....	4,926	283,716	5,163	296,693
2221D 08	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221D 18	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2221G 04	Spun-filament combinations.....	(D)	(D)	(D)	(D)
22118 12	Print cloth.....	17,880	358,003	18,845	395,373
2221D 14	More than 50 percent cotton.....	6,634	85,383	6,711	97,582
2221D 16	Chiefly spun polyester mixed with cotton.....	5,808	136,636	6,384	151,330
2221D 18	Chiefly spun polyester mixed with rayon.....	3,123	46,670	3,310	51,610
2221D 18	All other fabrics, 85 percent or more spun yarn.....	362	9,141	r455	r8,033
2221G 07	Spun/filament combinations.....	1,953	80,173	1,985	86,818
22118 22	Poplin and broadcloth.....	9,839	319,904	10,348	310,487
2221D 24	More than 50 percent cotton.....	2,088	48,528	2,145	54,910
2221D 26	Weighing 5.9 ounces or less per square yard.....	1,769	35,252	1,869	40,083
22118 32	Carded.....	846	16,009	1,112	20,060
22118 36	Combed.....	923	19,243	757	20,023
22118 36	Weighing more than 5.9 ounces per square yard.....	319	13,276	276	14,827
2221D 24	Carded.....	(D)	(D)	(D)	(D)
2221D 26	Combed.....	(D)	(D)	(D)	(D)
2221D 28	Chiefly spun polyester mixed with cotton.....	6,038	198,500	6,355	191,379
2221D 32	Weighing 5.0 ounces or less per square yard.....	5,438	170,677	5,501	r170,495
2221D 34	Carded.....	4,007	98,726	4,063	104,682
2221D 36	Combed.....	b1,431	b71,951	r1,438	r65,813
2221D 38	Weighing more than 5.0 ounces per square yard.....	600	27,823	854	28,844
2221D 40	Carded.....	(D)	(D)	(D)	(D)
2221D 42	Combed.....	(D)	(D)	(D)	(D)
2221D 44	All other fabrics, 85 percent or more spun yarn.....	790	25,413	r1,014	r18,760
2221G 19	Spun/filament combinations.....	923	47,463	r834	r37,478
22118 42	Lawns, voiles, and batistes.....	667	7,569	854	12,330
2221D 42	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221D 44	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221D 46	All other fabrics, 85 percent or more spun yarn.....	-	-	-	-
2221G 21	Spun/filament combinations.....	-	-	-	-
22118 72	Duck, including taped warp duck.....	846	22,858	884	20,900
2221D 72	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221D 74	Chiefly spun polyester mixed with cotton.....	159	2,995	207	3,982
2221D 76	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2221G 77	Spun/filament combinations.....	(D)	(D)	(D)	(D)
22118 51	Bedsheeting.....	14,054	428,735	14,666	r416,764
2221D 51	More than 50 percent cotton.....	3,488	97,223	3,626	92,800
2221D 53	Chiefly spun polyester mixed with cotton.....	9,988	296,765	r10,212	287,833
2221D 55	Carded.....	1,826	85,943	1,709	76,740
2221D 57	Combed.....	8,162	210,822	r8,503	r211,093
2221G 33	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2221G 33	Spun/filament combinations.....	(D)	(D)	(D)	(D)
22118 62	All other sheeting, including osnaburgs.....	4,598	139,498	r5,363	153,368
2221D 62	More than 50 percent cotton.....	3,012	75,629	r3,571	87,136
2221D 64	Weighing 5.9 ounces or less per square yard.....	2,363	51,416	r2,574	59,555
2221D 66	Weighing more than 5.9 ounces per square yard.....	649	24,213	997	r27,581
2221D 68	Blanketing.....	161	11,992	510	14,514
2221D 70	All other fabric.....	488	12,221	487	13,067
2221D 72	85 percent or more spun polyester.....	266	9,551	254	7,283
2221D 74	Blanketing.....	(D)	(D)	(D)	(D)
2221D 76	All other fabric.....	(D)	(D)	(D)	(D)
2221D 78	Chiefly spun polyester mixed with cotton.....	772	28,350	r893	r32,970
2221D 80	Weighing 5.0 ounces or less per square yard.....	641	25,471	(D)	(D)
2221D 82	Weighing more than 5.0 ounces per square yard.....	131	2,879	(D)	(D)
2221D 84	Chiefly spun acrylic.....	206	13,072	261	11,345
2221D 86	Blanketing.....	(D)	(D)	(D)	(D)
2221D 88	All other fabric.....	(D)	(D)	(D)	(D)
2221D 90	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2221G 45	Spun/filament combinations.....	(D)	(D)	(D)	(D)

See footnotes at end of table.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS--Continued

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1989		First quarter 1989	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
2211C 01	Blue denim.....	3,297	188,016	3,210	162,316
2211C 03	More than 50 percent cotton.....	3,259	185,910	3,183	160,807
2211E 03	Weighing 10.7 ounces or less per square yard.....	516	23,803	360	17,120
2221G 46	Weighing more than 10.7 ounces per square yard.....	2,743	162,107	2,823	143,687
	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211C 12	All other denim.....	572	33,229	676	30,089
2211C 14	More than 50 percent cotton.....	536	31,593	645	28,764
2211E 14	Weighing 10.7 ounces or less per square yard.....	88	3,975	137	4,480
2221G 48	Weighing more than 10.7 ounces per square yard.....	448	27,618	508	24,284
	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
	Spun filament combinations.....	(D)	(D)	(D)	(D)
2211C 22	Canton flannels.....	(D)	5,362	(D)	5,655
2211C 32	All other twill weaves.....	8,387	251,959	7,958	223,892
2211C 34	More than 50 percent cotton.....	3,257	96,521	2,650	73,842
2221E 22	Weighing 5.9 ounces or less per square yards.....	<sup>a</sup> 1,206	<sup>a</sup> 24,916	<sup>a</sup> 865	19,010
	Weighing more than 5.9 ounces per square yard.....	2,051	71,605	1,785	54,832
	85 percent or more spun polyester.....	239	6,815	233	5,746
2221E 24	Chiefly spun polyester mixed with cotton.....	2,829	106,595	2,977	104,136
2221E 26	Weighing 5.0 ounces or less per square yard.....	<sup>a</sup> 616	<sup>a</sup> 14,663	684	12,853
2221E 28	Weighing more than 5.0 ounces per square yard.....	<sup>a</sup> 2,213	<sup>a</sup> 91,932	2,293	91,283
2221G 39	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211D 05	Sateens.....	1,317	28,380	<sup>r</sup> 1,522	32,211
2211F 05	More than 50 percent cotton.....	400	8,036	<sup>r</sup> 430	8,369
2221F 07	Chiefly spun polyester mixed with cotton.....	194	3,647	219	4,618
2221G 63	All other fabrics, 85 percent or more spun yarn.....	329	4,562	537	5,543
	Spun/filament combinations.....	394	12,135	336	13,681
2211D 12	Oxfords.....	1,059	50,311	<sup>r</sup> 1,086	<sup>r</sup> 40,683
2221F 12	More than 50 percent cotton.....	750	38,387	<sup>r</sup> 678	<sup>r</sup> 29,310
2221F 16	Chiefly spun polyester mixed with cotton.....	151	7,413	<sup>r</sup> 148	<sup>r</sup> 5,038
2221G 68	All other fabrics, 85 percent or more spun yarn.....	<sup>a</sup> 9	<sup>a</sup> 378	<sup>a</sup> 20	<sup>a</sup> 454
	Spun/filament combinations.....	149	4,133	240	5,881
2211D 32	Birdseye diaper cloth.....	(D)	(D)	(D)	(D)
2211D 35	Huck and crash toweling.....	(D)	(D)	(D)	(D)
2211D 45	Table damask.....	634	14,297	<sup>r</sup> 656	15,233
2221F 33	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221F 36	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221G 82	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	-	-	-	-
2211D 52	Jacquard and dobby shirting fabrics.....	542	9,084	<sup>r</sup> 684	<sup>r</sup> 8,349
2221F 42	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221F 44	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221G 84	All other fabric, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211D 62	All other weaves.....	7,216	158,199	<sup>r</sup> 7,626	<sup>r</sup> 157,727
2211D 64	More than 50 percent cotton.....	2,494	46,117	2,710	48,986
2221F 52	Weighing 5.9 ounces or less per square yard.....	1,065	20,828	1,093	21,341
	Weighing more than 5.9 ounces per square yard.....	1,429	25,289	<sup>b</sup> 1,617	<sup>a</sup> 27,645
	85 percent or more spun polyester.....	465	8,270	372	5,327
2221F 54	Chiefly spun polyester mixed with cotton.....	947	14,604	942	12,997
2221F 56	Weighing 5.0 ounces or less per square yard.....	637	<sup>b</sup> 10,555	<sup>a</sup> 620	<sup>a</sup> 9,953
2221F 58	Weighing more than 5.0 ounces per square yard.....	310	4,049	322	3,044
2221G 87	All other fabrics, 85 percent or more spun yarn.....	1,123	26,030	1,186	26,117
	Spun/filament combinations.....	2,187	63,178	<sup>r</sup> 2,416	<sup>r</sup> 64,300

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter 1989 report, MQ22T(89)-1, issued June 1989, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.



Table 5. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE FILAMENT YARN FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1989		First quarter 1989	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	85 percent or more filament yarn fabrics.....	28,210	1,373,690	28,043	1,390,665
	High tenacity yarn fabrics.....	1,055	22,308	<sup>F</sup> 1,042	22,838
2221B 01	100 percent and chiefly rayon.....	469	5,317	<sup>F</sup> 461	5,173
2221C 01	100 percent and chiefly nylon.....	<sup>a</sup> 368	9,375	<sup>a</sup> <sup>F</sup> 364	8,809
2221C 03	100 percent and chiefly polyester.....	218	7,616	<sup>r</sup> 217	8,856
	85 percent or more acetate or triacetate filament yarn fabrics.....	7,191	147,621	<sup>l</sup> 7,416	<sup>l</sup> 143,577
	Weighting not more than 5 ounces per square yard.....	<sup>l</sup> <sup>a</sup> 6,115	131,228	<sup>l</sup> 6,238	<sup>l</sup> 129,840
2221B 21	Plain weave.....	<sup>a</sup> 4,312	188,795	<sup>l</sup> <sup>a</sup> 4,098	<sup>l</sup> 80,713
2221B 23	Other weaves.....	1,803	42,433	<sup>l</sup> 2,140	49,127
	Weighting more than 5 ounces per square yard.....	1,076	16,393	<sup>l</sup> 1,178	<sup>l</sup> 13,737
2221B 25	Plain weave.....	(D)	(D)	(D)	(D)
2221B 27	Other weaves.....	(D)	(D)	(D)	(D)
	85 percent or more rayon filament yarn fabrics.....	(1)	(1)	(1)	(1)
2221B 41	Weighting not more than 5 ounces per square yard.....	(1)	(1)	(1)	(1)
2221B 43	Weighting more than 5 ounces per square yard.....	(1)	(1)	(1)	(1)
	Other chiefly rayon and/or acetate filament yarn fabrics.....	1,923	36,216	1,756	33,365
2221B 51	Weighting not more than 5 ounces per square yard.....	411	5,220	237	2,710
2221B 53	Weighting more than 5 ounces per square yard.....	<sup>b</sup> 1,512	<sup>b</sup> 30,996	<sup>a</sup> 1,519	<sup>b</sup> 30,655
	85 percent or more nylon filament yarn fabrics.....	4,695	121,273	4,539	122,411
2221C 11	Typewriter and other impression fabrics.....	879	24,935	960	25,725
	Other 85 percent or more nylon filament yarn fabrics.....	3,816	96,338	3,579	96,686
	Weighting not more than 5 ounces per square yard.....	2,875	82,749	2,736	85,235
2221C 13	Flat, non-textured.....	2,490	71,365	2,441	76,591
2221C 15	All other.....	385	11,384	295	8,644
	Weighting more than 5 ounces per square yard.....	941	13,589	843	11,451
2221C 23	Flat, non-textured.....	782	7,511	720	6,620
2221C 25	All other.....	159	6,078	123	4,831
	Other chiefly nylon filament fabrics.....	204	2,049	171	1,824
2221C 31	Weighting not more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)
2221C 33	Weighting more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)
	85 percent or more polyester filament yarn fabrics.....	6,440	182,505	6,610	<sup>F</sup> 189,603
	Textured.....	4,241	132,806	3,877	<sup>F</sup> 126,903
2221C 44	Weighting not more than 5 ounces per square yard <sup>2</sup> .....	2,135	45,720	2,034	49,729
2221C 43	Flat.....	(D)	(D)	(D)	(D)
2221C 45	Other.....	(D)	(D)	(D)	(D)
2221C 50	Weighting more than 5 ounces per square yard <sup>2</sup> .....	2,106	87,086	1,843	<sup>F</sup> 77,174
	Non-textured.....	2,199	49,699	2,733	62,700
2221C 62	Weighting not more than 5 ounces per square yard <sup>2</sup> .....	1,574	31,857	2,003	45,264
2221C 66	Weighting more than 5 ounces per square yard <sup>2</sup> .....	625	17,842	730	17,436
2221C 73	Other chiefly polyester filament fabrics.....	132	3,007	<sup>a</sup> 131	<sup>a</sup> 3,198
	Glass fiber fabrics.....	2,488	84,543	2,373	91,055
2221C 82	Woven roving and screening.....	<sup>a</sup> 75	4,703	<sup>a</sup> 72	4,503
2221C 89	All other glass fiber fabrics.....	2,413	79,840	<sup>b</sup> 2,301	<sup>a</sup> 86,552
	All other 85 percent or more filament yarn fabrics, including saran and olefin and fabrics obtained from strip, except rayon and/or acetate.....	4,082	774,168	4,005	782,794
2221C 91	Carpet backing.....	2,914	697,106	2,854	710,753
2221C 93	All other.....	<sup>a</sup> 1,168	<sup>a</sup> 77,062	1,151	72,041

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter 1989 report, HQ22T(89)-1, issued June 1989, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. <sup>F</sup>Revised by 5 percent or more from previously published figures.

<sup>1</sup>Included with 85 percent or more acetate or triacetate filament yarn fabric to avoid disclosing figures for individual companies.

<sup>2</sup>Classified on a finished weight basis.



Table 6. PRODUCTION AND LOOM ASSIGNMENT OF PILE FABRICS  
(INCLUDES YARN DYED FABRIC)

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1989		First quarter 1989	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Pile fabrics.....	7,634	155,305	7,894	144,891
	Corduroy.....	1,346	24,084	<sup>r</sup> 1,512	<sup>r</sup> 25,620
	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2211E 01	Finewales and pinwales.....	741	10,284	793	10,361
2211E 03	Midwales.....	(D)	7,454	(D)	(D)
2211E 05	Thicksets.....	(D)	(D)	(D)	(D)
2211E 07	Widewales and other.....	292	5,298	305	8,195
2221H 01	Chiefly manmade fiber.....	(D)	(D)	(D)	(D)
	Velvets, plushes, and other pile fabrics.....	945	15,991	924	15,361
2211E 21	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221H 11	Chiefly manmade fiber.....	(D)	(D)	(D)	(D)
	Terry cloth and terry toweling.....	5,343	115,230	5,458	103,910
2211E 32	Terry toweling.....	5,188	110,533	5,333	100,146
2211E 34	Terry cloth.....	155	4,697	125	3,764

(D) Data withheld to avoid disclosing figures for individual companies.  
published figures.<sup>r</sup>Revised by 5 percent or more from previously published figures.Table 7. PRODUCTION AND LOOM ASSIGNMENT OF WOOLEN AND WORSTED FABRICS,  
INCLUDING CHIEFLY MANMADE/WOOL BLENDS AND CHIEFLY COTTON/WOOL BLENDS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1989		First quarter 1989	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Woolen and worsted fabrics, 36 percent or more wool (except felts) <sup>1</sup> .....	2,229	48,825	2,220	47,475
	Apparel fabrics, including government orders.....	2,080	46,802	2,070	45,577
	Worsted fabrics.....	1,059	26,898	1,107	25,486
22312 01	Weighing not more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)
22312 02	Weighing more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)
	Woolen fabrics.....	1,021	19,904	963	20,091
22312 21	Weighing not more than 9 ounces per square yard.....	122	4,227	126	3,951
22312 23	Weighing more than 9 ounces per square yard.....	899	15,677	837	16,140
	Nonapparel fabrics, including government orders (except felts).....	149	2,023	<sup>r</sup> 150	<sup>r</sup> 1,898
22312 62	Blanketing, including thermal.....	<sup>b</sup> 26	535	<sup>b</sup> 26	630
22312 85	All other fabrics.....	<sup>a</sup> 123	1,488	<sup>a</sup> 124	<sup>r</sup> 1,268
22312 92	Woven felts (thousands of pounds).....	<sup>a</sup> 130	<sup>a</sup> 1,270	<sup>a</sup> 152	<sup>a</sup> 1,522
	Chiefly manmade/wool blend and chiefly cotton/wool blend fabrics.....	(D)	(D)	(D)	(D)
2221H 22	Chiefly spun polyester mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)
2221H 21	All other chiefly spun fibers mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)
2221H 92	Chiefly filament polyester mixed mainly or solely with wool or spun polyester/wool blends.....	(D)	(D)	(D)	(D)
2221H 98	All other chiefly filament yarn mixed mainly or solely with wool...	(D)	(D)	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter 1989 report, MQ22T(89)-1, issued June 1989, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>r</sup>Revised by 5 percent or more from previously published figures.<sup>1</sup>Includes fabrics 36 percent or more wool or reprocessed wool by weight. 1986 and prior years include fabrics 50 percent or more wool or reprocessed wool by weight.



Table 8. PRODUCTION AND LOOM ASSIGNMENT OF UPHOLSTERY FABRICS  
(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1989		First quarter 1989	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Upholstery fabrics.....	4,393	89,588	4,375	86,979
	85 percent or more spun yarn and spin filament combinations.....	3,757	75,358	3,713	71,705
2211E 41	Pile woven.....	1,213	21,555	1,200	21,173
2221H 41	All cotton and chiefly cotton.....	(S)	<sup>a</sup> 1,712	(S)	<sup>a</sup> 1,497
	All manmade and chiefly manmade.....	796	19,843	796	19,676
2211X 01	Flat woven.....	2,544	53,803	2,513	50,532
	All cotton and chiefly cotton.....	644	14,161	456	10,571
	All manmade and chiefly manmade.....	1,900	39,642	2,057	39,961
2221X 01	Olefin.....	<sup>a</sup> 454	9,677	<sup>b</sup> 485	9,584
2221X 03	All other flat woven manmade fiber fabrics.....	<sup>a</sup> 1,446	29,965	1,572	30,377
	85 percent or more filament yarn.....	636	14,230	<sup>b</sup> 662	15,274
2221C 77	All polyester and chiefly polyester.....	<sup>b</sup> 185	<sup>b</sup> 3,786	<sup>b</sup> 196	<sup>b</sup> 5,110
2221C 78	All nylon and chiefly nylon.....	<sup>b</sup> 439	<sup>b</sup> 1,317	<sup>b</sup> 439	<sup>b</sup> 1,047
2221C 98	All olefin and chiefly olefin.....	323	8,081	<sup>b</sup> 330	<sup>b</sup> 8,064
2221C 99	All other filament fiber fabrics.....	89	1,046	97	1,053

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter 1989 report, MQ22T(89)-1, issued June 1989, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

These data are included in the data shown in tables 4, 5, and 6.

<sup>r</sup>Revised by 5 percent or more from previously published figures. (S) Suppressed. Data did not meet publication standards of the Bureau of the Census.

Table 9. PRODUCTION OF TIRE CORD AND TIRE CORD FABRICS

(Thousands of pounds)

Product code	Product description	Production during quarter	
		Second quarter 1989	First quarter 1989
22960 00	Tire cord and tire cord fabrics.....	171,084	<sup>r</sup> 166,905
22960 12	Cotton tire cord and tire cord fabrics.....	(D)	(D)
22960 32	Rayon tire cord and tire cord fabrics.....	(D)	(D)
22960 35	Nylon tire cord and tire cord fabrics.....	42,504	<sup>r</sup> 45,274
22960 37	Polyester tire cord and tire cord fabrics.....	49,515	<sup>r</sup> 45,749
22960 38	Glass tire cord and tire cord fabrics.....	626	652
22960 45	Steel tire cord.....	73,281	<sup>r</sup> 70,288
22960 51	All other tire cord and tire cord fabrics including chafer....	3,462	3,598

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>r</sup>Revised by 5 percent or more from previously published figures.

Table 10. LOOMS IN PLACE AND LOOM HOURS OPERATED IN BROADWOVEN FABRIC MILLS

Product description	Second quarter 1989		First quarter 1989	
	Looms in place (number)	Thousands of loom hours operated	Looms in place (number)	Thousands of loom hours operated
Total.....	125,477	218,467	128,472	212,690
Shuttle type looms.....	61,496	98,846	64,281	99,860
Single shuttle cam looms.....	41,829	69,045	43,798	69,351
Single shuttle dobby looms.....	<sup>a</sup> 12,041	<sup>a</sup> 19,581	<sup>a</sup> 12,628	<sup>a</sup> 19,629
Multiple shuttle box or head motion looms.....	4,533	6,635	<sup>a</sup> 4,652	<sup>a</sup> 7,177
Double shuttle pile and plush, and jacquard looms.....	<sup>a</sup> 3,093	3,585	<sup>a</sup> 3,203	3,703
Shuttleless looms and weaving machines.....	63,981	119,621	64,191	112,830
Single filling insertion capability.....	37,945	<sup>a</sup> 74,481	38,460	69,458
Air jet looms.....	<sup>a</sup> 13,041	<sup>a</sup> 24,575	12,766	23,112
Water jet looms.....	6,240	11,358	6,234	10,787
Projectile looms.....	12,558	27,873	12,949	24,583
Rapier looms.....	6,106	10,675	6,511	10,976
Multiple filling insertion capability.....	25,406	43,856	25,128	42,128
Air jet looms.....	(D)	(D)	(D)	(D)
Water jet looms.....	(D)	(D)	(D)	(D)
Projectile looms.....	11,036	20,252	10,938	18,846
Rapier looms.....	11,876	19,351	12,018	19,385
Pile and plush looms.....	630	1,284	603	1,244

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter 1989 report, MQ22T(89)-1, issued June 1989, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies.



Table 11. PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF BROADWOVEN FABRICS: SECOND QUARTER 1989

(Quantity in thousands of square meters; value in thousands of dollars)

Product description	Manufacturers' shipments <sup>1</sup> (quantity)	Imports for consumption <sup>2</sup>		Percent imports to manufacturers' shipments (quantity)	Exports of domestic merchandise <sup>4</sup>		Percent exports to manufacturers' shipments (quantity)	Apparent consumption <sup>5</sup>
		Quantity	Value <sup>3</sup>		Quantity	Value		
Cotton fabrics <sup>6</sup> .....	1,184,798	286,825	270,734	24.2	(NA)	(NA)	(NA)	(NA)
Cheesecloth and batistes.....	(D)	5,013	3,559	(D)	10,981	14,133	(D)	(D)
Print cloth.....	85,383	46,626	24,351	54.6	369	702	(Z)	131,640
Poplin and broadcloth.....	39,420	41,673	33,947	105.7	3,565	5,702	9.0	77,528
Weighing 5.9 ounces or less per square yard.....	(D)	41,472	32,970	(D)	1,303	2,690	(D)	(D)
Weighing more than 5.9 ounces per square yard.....	(D)	201	977	(D)	2,262	3,012	(D)	(D)
Duck, including tape warp.....	(D)	17,309	16,364	(D)	2,510	5,755	(D)	(D)
Sheeting.....	170,953	89,565	60,406	52.4	4,013	6,898	2.3	256,508
Twills and sateens.....	111,401	39,828	45,797	35.8	3,635	7,389	3.3	147,594
Oxfords.....	12,169	1,225	3,382	10.1	(NA)	(NA)	(NA)	(NA)
All other constructions.....	50,306	11,028	13,633	21.9	5,884	14,345	11.7	55,450
Blue Denim.....	185,910	15,258	21,787	8.2	9,640	19,591	5.2	191,528
Yarn dyed fabric.....	92,288	15,859	36,612	17.2	2,031	4,111	2.2	106,116
Pile fabrics, including yarn dyed.....	140,247	3,441	10,896	2.5	2,656	8,099	1.9	141,032
Manmade fiber fabrics.....	2,836,214	161,439	348,479	5.7	(NA)	(NA)	(NA)	(NA)
85% or more filament yarn fabrics.....	1,473,690	71,218	122,191	4.8	(NA)	(NA)	(NA)	(NA)
Nylon and polyester high tenacity fabric.....	16,991	2,208	5,718	13.0	6,638	12,188	39.1	12,561
Rayon high tenacity fabric.....	5,317	1,822	1,581	34.3	487	1,076	9.2	6,652
Typewriter fabric.....	124,935	95	134	(Z)	(NA)	(NA)	(NA)	(NA)
Rayon or acetate filament yarn fabrics.....	183,837	3,509	7,027	1.9	1,720	3,395	0.9	185,626
Polyester filament yarn fabric.....	185,512	45,401	86,774	24.5	8,338	13,507	4.5	222,575
Glass fiber fabric.....	84,543	9,021	8,725	10.7	(NA)	(NA)	(NA)	(NA)
Nylon filament yarn fabric.....	98,387	6,916	7,743	7.0	6,661	15,159	6.8	98,642
All other filament yarn fabric.....	774,168	2,246	4,489	(Z)	5,754	11,910	0.7	770,660
85% or more spun yarn fabric.....	1,065,901	47,842	69,416	4.5	15,944	33,190	1.5	1,097,799
Cheesecloth and batistes.....	(D)	1,196	1,084	(D)	(NA)	(NA)	(NA)	(NA)
Poplin broadcloth.....	207,838	14,918	11,789	7.2	(NA)	(NA)	(NA)	(NA)
Polyester/cotton.....	185,174	13,463	10,566	7.3	(NA)	(NA)	(NA)	(NA)
Weighing 5.0 ounces or less per square yard.....	159,429	13,200	9,403	8.3	(NA)	(NA)	(NA)	(NA)
Weighing more than 5.0 ounces per square yard.....	25,745	263	1,163	1.0	(NA)	(NA)	(NA)	(NA)
All other spun yarns.....	22,664	1,455	1,223	6.4	(NA)	(NA)	(NA)	(NA)
Print cloth.....	192,447	5,073	2,493	2.6	(NA)	(NA)	(NA)	(NA)
Polyester/cotton.....	136,636	2,515	985	1.8	(NA)	(NA)	(NA)	(NA)
All other spun yarns.....	55,811	2,558	1,508	4.6	(NA)	(NA)	(NA)	(NA)
Duck.....	(D)	278	906	(D)	(NA)	(NA)	(NA)	(NA)
Sheeting.....	355,077	2,995	3,321	0.8	13,534	25,065	(NA)	(NA)
Polyester/cotton.....	(D)	2,105	1,710	(D)	(NA)	(NA)	(NA)	(NA)
Weighing 5.0 ounces or less per square yard.....	(D)	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Weighing more than 5.0 ounces per square yard.....	(D)	2,105	1,710	(D)	(NA)	(NA)	(NA)	(NA)
All other spun yarn.....	(D)	890	1,611	(D)	(NA)	(NA)	(NA)	(NA)
Sateens or twills.....	146,248	10,196	14,437	7.0	(NA)	(NA)	(NA)	(NA)
Oxford.....	7,681	9	26	(Z)	(NA)	(NA)	(NA)	(NA)
All other spun manmade fiber fabrics.....	43,310	3,484	9,657	8.0	(NA)	(NA)	(NA)	(NA)
Yarn dyed fabric.....	39,220	8,877	21,335	22.6	(NA)	(NA)	(NA)	(NA)
Pile fabrics.....	15,058	816	4,368	5.4	2,410	8,125	16	13,464
Spun/filament yarn combinations, including yarn dyed.....	(D)	16,262	32,142	(D)	7,595	18,149	(D)	(D)
Chiefly manmade/wool blends.....	(D)	18,976	54,366	(D)	(NA)	(NA)	(D)	(D)
Silk fabrics.....	432	7,141	70,364	1,653	248	1,897	57.4	7,325
Wool fabrics.....	48,825	6,918	79,047	14.2	1,428	8,241	2.9	54,315
Chiefly cotton fabrics blended with wool and other vegetable fibers and other vegetable fiber fabrics.....	(D)	56	368	75.7	1,800	5,484	(D)	(D)

Note: Fabric blends as shown in Current Industrial Reports Series MQ22T are reported based on the chief weight of the fiber whereas fabric blends as shown for imports and exports are based on the chief value of the fiber.

(D) Data withheld to avoid disclosing figures for individual companies. (NA) Not available.

<sup>1</sup>Represents production of gray broadwoven fabrics; import and export data represent gray as well as finished broadwoven fabrics. For a comparison of Standard Industrial Classification (SIC) based product codes with Schedule B export numbers and HTSUSA import numbers, see table 12.

<sup>2</sup>Source: Bureau of the Census Report EM 522, U.S. Exports.

<sup>3</sup>Source: Bureau of the Census Report IM 145, U.S. Imports for Consumption.

<sup>4</sup>This dollar value represents the c.i.f. (cost, insurance, and freight) at the first port of entry in the United States plus calculated import duty.

<sup>5</sup>Apparent consumption represents new domestic supply and is derived by subtracting exports from the total manufacturers' shipments plus imports.

<sup>6</sup>Includes all cotton and chiefly cotton mixed with manmade fiber.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH  
SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1989

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2211B 02 2211B 42	Cotton cheesecloth and batistes.....	5208.11.2090, 5208.11.4090 5208.11.6000, 5208.11.8090 5208.12.4090, 5208.12.6090 5208.12.8090, 5208.21.2090 5208.21.4090, 5208.21.6090 5208.22.4090, 5208.22.6090 5208.22.8090, 5208.31.4090 5208.31.6090, 5208.31.8090 5208.32.3090, 5208.32.4090 5208.32.5090, 5208.51.4090 5208.51.6090, 5208.51.8090 5208.52.3090, 5208.52.4090 5208.52.5090, 5210.11.4090 5210.11.6090, 5210.11.8090 5210.21.4090, 5210.21.6090 5210.21.8090, 5210.31.4090 5210.31.6090, 5210.31.8090 5210.51.4090, 5210.51.6090 5210.51.8090, 5211.51.0090	5208.11.2090, 5208.11.4090 5208.11.9000, 5208.12.4090 5208.12.6090, 5208.12.8090 5208.21.2090, 5208.21.4090 5208.21.6090, 5208.22.4090 5208.22.6090, 5208.22.8090 5208.31.4090, 5208.31.6090 5208.31.8090, 5208.32.3090 5208.32.4090, 5208.32.5090 5208.51.4090, 5208.51.6090 5208.51.8090, 5208.52.3090 5208.52.4090, 5208.52.5090 5210.11.4090, 5210.11.6090 5210.11.8090, 5210.21.4090 5210.21.6090, 5210.21.8090 5210.31.4090, 5210.31.6090 5210.31.8090, 5210.51.4090 5210.51.6090, 5210.51.8090 5211.11.0090, 5211.21.0090 5211.31.0090, 5211.41.0090 5211.51.0090
2211B 12	Cotton print cloth.....	5208.11.4060, 5208.12.6060 5208.21.4060, 5208.22.6060 5208.31.6060, 5208.32.4060 5208.51.6060, 5208.52.4060 5210.11.6060, 5210.21.6060 5210.31.6060, 5210.51.6060	5208.11.4060, 5208.12.6060 5208.21.4060, 5208.22.6060 5208.31.6060, 5208.32.4060 5208.51.6060, 5208.52.4060 5210.11.6060, 5210.21.6060 5210.31.6060, 5210.51.6060
2211B 22	Cotton poplin and broadcloth (5.9 ounces or less per square yard).....	5208.11.2020, 5208.11.4020 5208.11.8020, 5208.12.4020 5208.12.6020, 5208.12.8020 5208.21.2020, 5208.21.4020 5208.21.6020, 5208.22.4020 5208.22.6020, 5208.22.8020 5208.31.4020, 5208.31.6020 5208.31.8020, 5208.32.3020 5208.32.4020, 5208.32.5020 5208.51.4020, 5208.51.6020 5208.51.8020, 5208.52.3020 5208.52.4020, 5208.52.5020 5210.11.4020, 5210.11.6020 5210.11.8020, 5210.21.4020 5210.21.6020, 5208.21.8020 5210.31.4020, 5210.31.6020 5210.31.8020, 5210.51.4020 5210.51.6020, 5210.51.8020	5208.11.2020, 5208.11.4020 5208.11.8020, 5208.12.4020 5208.12.6020, 5208.12.8020 5208.21.2020, 5208.21.4020 5208.21.6020, 5208.22.4020 5208.22.6020, 5208.22.8020 5208.31.4020, 5208.31.6020 5208.31.8020, 5208.32.3020 5208.32.4020, 5208.32.5020 5208.51.4020, 5208.51.6020 5208.51.8020, 5208.52.3020 5208.52.4020, 5208.52.5020 5210.11.4020, 5210.11.6020 5210.11.8020, 5210.21.4020 5210.21.6020, 5208.21.8020 5210.31.4020, 5210.31.6020 5210.31.8020, 5210.51.4020 5210.51.6020, 5210.51.8020
2211B 32 2211B 36	Cotton poplin and broadcloth (more than 5.9 ounces per square yard).....	5209.11.0020, 5209.21.0020 5209.31.6020, 5209.51.6020 5211.11.0020, 5211.21.0020 5211.31.0020, 5211.51.0020	5209.11.0020, 5209.21.0020 5209.31.6020, 5209.51.6020 5211.11.0020, 5211.21.0020 5211.31.0020, 5211.51.0020
2211B 71	Duck.....	5209.11.0090, 5209.19.0060 5209.21.0090, 5209.29.0060 5209.31.6090, 5209.39.0060 5209.51.6090, 5209.59.0060 5211.11.0090, 5211.19.0060 5211.21.0090, 5211.29.0060 5211.31.0090, 5211.39.0060 5211.51.0090, 5211.59.0060	5209.11.0090, 5209.21.0090 5209.31.6090, 5209.51.6090 5211.11.0090, 5211.21.0090 5211.31.0090, 5211.51.0090
2211B 51 2211B 62 2211B 64 2211B 66	Sheeting.....	5208.11.2040, 5208.11.4040 5208.12.4040, 5208.12.6040 5208.21.2040, 5208.21.4040 5208.22.4040, 5208.22.6040 5208.31.4040, 5208.31.6040 5208.32.3040, 5208.32.4040 5208.51.4040, 5208.51.6040 5208.52.3040, 5208.52.4040 5209.11.0030, 5209.11.0050 5209.21.0030, 5209.21.0050 5209.31.6030, 5209.31.6050 5209.51.6030, 5209.51.6050 5210.11.4040, 5210.11.6040 5210.21.4040, 5210.21.6040 5210.31.4040, 5210.31.6040 5210.51.4040, 5210.51.6040 5211.11.0030, 5211.11.0050 5211.21.0030, 5211.21.0050 5211.31.0030, 5211.31.0050 5211.51.0030, 5211.51.0050	5208.11.2040, 5208.11.4040 5208.12.4040, 5208.12.6040 5208.21.2040, 5208.21.4040 5208.22.4040, 5208.22.6040 5208.31.4040, 5208.31.6040 5208.32.4040, 5208.32.6040 5208.51.4040, 5208.51.6040 5208.52.3040, 5208.52.4040 5208.51.4040, 5208.51.6040 5208.52.3040, 5208.52.4040 5209.11.0040, 5209.21.0040 5209.31.6040, 5209.51.6040 5210.11.4040, 5210.11.6040 5210.21.4040, 5210.21.6040 5210.31.4040, 5210.31.6040 5210.51.4040, 5210.51.6040 5211.11.0040, 5211.21.0040 5211.31.0040, 5211.51.0040

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH  
SCHEDULE 8 EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1989--Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2211C 12	} Twills and sateens.....	5208.13.0000, 5208.19.2020	5208.13.0000, 5208.19.2000 5208.23.0000, 5208.29.2000 5208.33.0000, 5208.39.2000 5208.53.0000, 5208.59.2000 5209.12.0020, 5209.12.0040 5209.19.0020, 5209.19.0040 5209.22.0020, 5209.22.0040 5209.29.0020, 5209.29.0040 5209.32.0020, 5209.32.0040 5209.39.0020, 5209.39.0040 5209.52.0020, 5209.52.0040 5209.59.0020, 5209.59.0040 5210.12.0000, 5210.19.2020 5210.19.2090, 5210.22.0000 5210.29.2020, 5210.29.2090 5210.32.0000, 5210.39.2020 5210.39.2090, 5210.52.0000 5210.59.2020, 5210.59.2090 5211.12.0020, 5211.12.0040 5211.19.0020, 5211.19.0040 5211.22.0020, 5211.22.0040 5211.29.0020, 5211.29.0040 5211.32.0020, 5211.32.0040 5211.39.0020, 5211.39.0040 5211.52.0020, 5211.52.0040 5211.59.0020, 5211.59.0040
2211C 22		5208.19.2090, 5208.23.0000	
2211C 32		5208.29.2020, 5208.29.2090	
2211C 34		5208.33.0000, 5208.39.2020	
2211C 05		5208.39.2090, 5208.53.0000	
		5208.59.2020, 5208.59.2090	
		5209.12.0020, 5209.12.0040	
		5209.19.0020, 5209.19.0040	
		5209.22.0020, 5209.22.0040	
		5209.29.0020, 5209.29.0040	
		5209.32.0020, 5209.32.0040	
		5209.39.0020, 5209.39.0040	
		5209.52.0020, 5209.52.0040	
		5209.59.0020, 5209.59.0040	
		5210.12.0000, 5210.19.2020	
		5210.19.2090, 5210.22.0000	
		5210.29.2020, 5210.29.2090	
		5210.32.0000, 5210.39.2020	
		5210.39.2090, 5210.52.0000	
		5210.59.2020, 5210.59.2090	
		5211.12.0020, 5211.12.0040	
		5211.19.0020, 5211.19.0040	
		5211.22.0020, 5211.22.0040	
		5211.29.0020, 5211.29.0040	
		5211.32.0020, 5211.32.0040	
		5211.39.0020, 5211.39.0040	
		5211.52.0020, 5211.52.0040	
		5211.59.0020, 5211.59.0040	
2211C 01	} Blue denim.....	5209.42.0020, 5211.42.0020	5209.42.0020, 5211.42.0020 5209.42.0020, 5211.42.0040
2211C 03		5209.42.0040, 5211.42.0040	
2211E 00	Pile fabrics (including yard dyed).....	5801.21.0000-5801.26.0020 5802.11.0000, 5802.11.0000	5801.21.0000-5801.26.0000 5802.11.0000-5802.30.9000
2211X XX	Cotton yarn dyed.....	5208.41.4000-5208.41.8000 5208.42.3000-5208.42.5000 5208.43.0000-5208.49.8090 5209.41.6020, 5209.41.6040 5209.43.0020-5209.49.0090 5210.41.4000-5210.49.8090 5211.41.0020, 5211.41.0040 5211.43.0020-5211.49.0090	5208.41.9000, 5208.42.9000 5208.43.0000, 5208.49.2000 5208.49.9000, 5209.41.6070 5209.43.0000, 5209.49.0000 5210.41.0000-5210.49.9000 5211.41.0000, 5211.43.0000 5211.49.0000
2211D 12	Oxfords.....	5208.19.4020, 5208.19.6020 5208.19.8020, 5208.29.4020 5208.29.6020, 5208.29.8020 5208.39.4020, 5208.39.6020 5208.39.8020, 5208.59.4020 5208.59.6020, 5208.59.8020 5210.19.4020, 5210.19.6020 5210.19.8020, 5210.29.4020 5210.29.6020, 5210.29.8020 5210.39.4020, 5210.39.6020 5210.39.8020, 5210.59.4020 5210.59.6020, 5210.59.8020	5208.19.9000, 5208.29.9000 5208.39.9000, 5208.59.9000 5209.19.0070, 5209.29.0070 5209.39.0070, 5209.59.0070 5210.19.9000, 5210.29.9000 5210.39.9000, 5210.59.9000 5211.19.0070, 5211.29.0070 5211.39.0070, 5211.59.0070
2211O 32	} All other constructions.....	5208.19.4090, 5208.19.6090	
2211O 35		5208.19.8090, 5208.29.4090	
2211O 45		5208.29.6090, 5208.29.8090	
2211O 52		5208.39.4090, 5208.39.6090	
2211O 62		5208.39.8090, 5208.59.4090	
2211O 64		5208.59.6090, 5208.59.8090	
		5209.19.0090, 5209.29.0090	
		5209.39.0080, 5209.39.0090	
		5209.59.0090, 5210.19.4090	
		5210.19.6090, 5210.19.8090	
		5210.29.4090, 5210.29.6090	
		5210.29.8090, 5210.39.4090	
		5210.39.6090, 5210.39.8090	
		5210.59.4090, 5210.59.6090	
		5210.59.8090, 5211.19.0090	
		5211.29.0090, 5211.39.0090	
		5211.59.0090	

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1989--Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221C 01 2221C 03	Nylon and polyester high tenacity fabrics....	5407.10.0010, 5407.10.0090	5407.10.0000
2221B 01	Rayon high tenacity fabrics.....	5408.10.0000	5408.10.0000
2221C 11	Typewriter fabrics.....	5407.41.0010, 5407.41.0020	
2221C 13 2221C 15 2221C 23 2221C 25 2221C 31 2221C 33	Other nylon filament fabrics.....	5407.41.0030-5407.44.0060	5407.41.0000-5407.44.0000
2221B 21 2221B 23 2221B 25 2221B 27 2221B 41 2221B 43 2221B 51 2221B 53	Rayon and acetate filament yarn fabrics.....	5408.21.0030-5408.24.0060	5408.21.0000-5408.24.0000
2221C 43 2221C 44 2221C 45 2221C 50 2221C 62 2221C 66 2221C 73	Polyester filament yarn fabric.....	5407.51.0020, 5407.51.0040 5407.51.0060, 5407.52.2020 5407.52.2040, 5407.52.2060 5407.53.2020, 5407.53.2040 5407.53.2060, 5407.54.0020 5407.54.0040, 5407.54.0060 5407.60.2005, 5407.60.2010 5407.60.2015, 5407.60.2025 5407.60.2030, 5407.60.2035 5407.60.2045, 5407.60.2050 5407.60.2055, 5407.60.2065 5407.60.2070, 5407.60.2075	5407.51.0000, 5407.52.0000 5407.53.0000, 5407.54.0000
2221C 82 2221C 89	Glass fiber fabrics.....	7019.20.2000, 7019.20.5000	7019.20.4000
2221C 92 2221C 93	All other filament yarn fabrics.....	5407.71.0030-5407.74.0060	5407.71.0000-5407.74.0000
2221D 04 2221D 08 2221D 43 2221D 44	Chiefly manmade fiber cheesecloth, lawns, and batistes.....	5512.11.0040, 5512.19.0035 5512.21.0040, 5512.29.0030 5512.91.0040, 5512.99.0030 5513.11.0090, 5513.19.0040 5513.21.0090, 5513.29.0040 5513.41.0090, 5513.49.0040 5515.11.0030, 5515.19.0030 5515.29.0030, 5515.99.0030 5516.41.0040, 5516.42.0040 5516.44.0040, 5516.91.0040 5516.92.0040, 5516.94.0040	
2221D 24 2221D 26	Poplin and broadcloth poly/cotton (5.0 ounces or less per square yard).....	5513.11.0020, 5513.21.0020 5513.41.0020	
2221D 28 2221D 32	Poplin and broadcloth poly/cotton (over 5.0 ounces per square yard).....	5514.11.0020, 5514.21.0020 5514.41.0020	
2211D 34	Poplin and broadcloth, all other spun yarn...	5512.11.0010, 5512.19.0015 5512.21.0010, 5512.29.0015 5512.91.0010, 5512.99.0015 5513.19.0010, 5513.29.0010 5513.49.0010, 5514.19.0010 5514.29.0010, 5514.49.0010 5515.11.0015, 5515.19.0015 5515.29.0015, 5515.99.0015 5516.41.0010, 5516.42.0010 5516.44.0010, 5516.91.0010 5516.92.0010, 5516.94.0010	

See footnote at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH  
 SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1989--Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221D 14	Poly/cotton print cloth.....	5513.11.0060, 5513.21.0060 5513.41.0060	
2221D 16 2221D 18	Other spun yarn, chiefly manmade fiber print cloth.....	5512.11.0030, 5512.19.0030 5512.21.0030, 5512.29.0025 5512.91.0030, 5512.99.0025 5513.19.0030, 5513.29.0030 5513.49.0030, 5515.11.0025 5515.19.0025, 5515.29.0025 5515.99.0025, 5516.41.0030 5516.42.0030, 5516.44.0030 5516.91.0030, 5516.92.0030 5516.94.0030	
2221D 88 2221D 92	Duck.....	5512.11.0050, 5512.19.0040 5512.21.0050, 5512.29.0035 5512.91.0050, 5512.99.0035 5514.11.0090, 5514.13.0040 5514.19.0030, 5514.21.0090 5514.23.0040, 5514.29.0030 5514.41.0090, 5514.43.0040 5514.49.0030, 5515.11.0035 5515.19.0035, 5515.29.0035 5515.99.0035, 5516.41.0050 5516.42.0050, 5516.44.0050 5516.91.0050, 5516.92.0050 5516.94.0050	
2221D 51 2221D 53 2221D 74 2221D 76	Poly-cotton sheeting.....	5513.11.0040, 5513.21.0040 5513.41.0040, 5514.11.0030 5514.11.0050, 5514.21.0030 5514.21.0050, 5514.41.0030 5514.41.0050	
2221D 55 2221D 64 2221D 66 2221D 82 2221D 84 2221D 86	Other manmade fiber spun yarn sheeting.....	5512.11.0022, 5512.11.0027 5512.19.0022, 5512.19.0027 5512.21.0020, 5512.29.0020 5512.91.0020, 5512.99.0020 5513.19.0020, 5513.29.0020 5513.49.0020, 5514.19.0020 5514.29.0020, 5514.49.0020 5515.11.0020, 5515.19.0020 5515.29.0020, 5512.99.0020 5516.41.0022, 5516.41.0027 5516.42.0022, 5516.42.0027 5516.44.0022, 5516.44.0027 5516.91.0020, 5516.92.0020 5516.94.0020	5512.11.0000-5514.49.0000 5515.11.0000, 5515.19.0000 5515.29.0000, 5515.99.0000 5516.41.0000-5516.94.0000
2221E 03 2221G 46	Manmade fiber blue denim.....	5512.19.0010, 5512.29.0010 5512.99.0010, 5514.32.0010 5514.39.0010, 5515.11.0010 5515.19.0010, 5515.29.0010 5515.99.0010, 5516.43.0010 5516.93.0010	
2221E 14 2221E 22 2221E 24 2221E 26 2221E 28 2221F 05 2221F 07	Twills and sateens.....	5512.11.0060, 5512.19.0045 5512.21.0060, 5512.29.0040 5512.91.0060, 5512.99.0040 5513.12.0000, 5513.13.0020 5513.19.0050, 5513.22.0000 5513.23.0020, 5513.29.0050 5513.42.0000, 5513.43.0020 5513.49.0050, 5514.12.0020 5514.12.0040, 5514.13.0020 5514.19.0040, 5514.22.0020 5514.22.0040, 5514.23.0020 5514.29.0040, 5514.42.0020 5514.42.0040, 5514.43.0020 5514.49.0040, 5515.11.0040 5515.19.0040, 5515.29.0040 5515.99.0040, 5516.11.0020 5516.12.0020, 5516.14.0020 5516.41.0060, 5516.42.0060 5516.44.0060, 5516.91.0060 5516.92.0060, 5516.94.0060	
2221F 12 2221F 16	Oxfords.....	5512.11.0070, 5512.19.0050 5512.21.0070, 5512.29.0045 5512.91.0070, 5512.99.0045 5513.13.0040, 5513.19.0060 5513.23.0040, 5513.29.0060 5513.43.0040, 5513.49.0060 5515.11.0045, 5515.19.0045 5515.29.0045, 5515.99.0045 5516.41.0070, 5516.42.0070 5516.44.0070, 5516.91.0070 5516.92.0070, 5516.94.0070	

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH  
SCHEDULE E EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1989--Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221X XX	Manmade fiber yarn dyed.....	5512.19.0005, 5512.29.0005 5512.99.0005, 5513.31.0000-5513.39.0090 5514.31.0000, 5514.32.0090 5514.33.0010, 5514.33.0090 5514.39.0020, 5514.39.0090 5515.11.0005, 5515.19.0005 5515.29.0005, 5515.99.0005 5516.13.0000, 5516.43.0020-5516.43.0090 5516.93.0020, 5516.93.0090	
2221F 33	All other manmade fiber spun yarn.....	5512.11.0090, 5512.19.0090	
2221F 36		5512.21.0090, 5512.29.0090	
2221F 42		5512.91.0090, 5512.99.0090	
2221F 44		5513.13.0090, 5513.19.0090	
2221F 52		5513.23.0090, 5513.29.0090	
2221F 54		5513.43.0090, 5513.49.0090	
2221F 56		5514.13.0090, 5514.19.0090	
2221P 58		5514.23.0090, 5514.29.0090	
		5514.43.0090, 5514.49.0090	
		5515.11.0090, 5515.19.0090	
		5515.29.0090, 5515.99.0090	
		5516.41.0090, 5516.42.0090	
		5516.44.0090, 5516.91.0090	
		5516.92.0090, 5516.94.0090	
2221H 21	Manmade/wool blends, chiefly manmade.....	5407.91.1000, 5407.92.1000	
2221H 22		5407.93.1000, 5407.94.1000	
2221H 92		5408.31.1000, 5408.32.1000	
2221H 98		5408.33.1000, 5408.34.1000	
		5515.13.0000, 5515.13.1000	
		5515.22.0000, 5515.22.1000	
		5515.92.0000, 5515.92.1000	
		5516.31.0000-5516.34.1000	
2221G 04	Spun/filament combinations.....	5407.81.0010-5407.84.0090	
2221G 07		5407.91.2020-5407.91.2090	
2221G 19		5407.92.2020-5407.92.2090	
2221G 21		5407.93.2020-5407.93.2090	
2221G 77		5407.94.2020-5407.94.2090	
2221G 33		5408.31.2020-5408.31.2090	
2221G 45		5408.32.9020-5408.32.9090	
2221G 48		5408.33.9020-5408.33.9090	
2221G 39		5408.34.9020-5408.34.9090	
2221G 63		5515.12.0010-5515.12.0090	
2221G 68		5515.21.0010-5515.21.0090	
2221G 82		5515.91.0010-5515.91.0090	
2221G 84		5516.21.0010-5516.24.0090	
2221G 87			5407.81.0000-5407.94.0000 5408.31.0000-5408.34.0000 5515.12.0000, 5515.21.0000 5515.91.0000, 5516.21.0000-5516.24.0000
2221H 01	Manmade fiber pile.....	5801.31.0000-5801.36.0000	
2221H 11		5802.20.0020, 5802.30.0030	5801.31.0000-5801.36.0000 5802.20.0000, 5802.30.0000
2221H 31	Silk fabrics.....	5007.10.3020-5007.90.6090	5007.10.0000-5007.90.0000
22312 01	Wool fabrics.....	5111.11.6000-5112.90.6090	
22312 02		5212.11.1010, 5212.11.1020	
22312 21		5212.12.1010, 5212.12.1020	
22312 23		5212.13.1010, 5212.13.1020	
22312 62		5212.14.1010, 5212.14.1020	
22312 85		5212.15.1010, 5212.15.1020	
		5212.21.1010, 5212.21.1020	
		5212.22.1010, 5212.22.1020	
		5212.23.1010, 5212.23.1020	
		5212.24.1010, 5212.24.1020	
		5212.25.1010, 5212.25.1020	
		5407.91.0510, 5407.91.0520	
		5407.92.0510, 5407.92.0520	
		5407.93.0510, 5407.93.0520	
		5407.94.0510, 5407.94.0520	
		5408.31.0510, 5408.31.0520	
		5408.32.0510, 5408.32.0520	
		5408.33.0510, 5408.33.0520	
		5408.34.0510, 5408.34.0520	
		5515.13.0510, 5515.13.0520	
		5515.22.0510, 5515.22.0520	
		5515.92.0510, 5515.92.0520	
		5516.31.0510, 5516.31.0520	
		5516.32.0510, 5516.32.0520	
		5516.33.0510, 5516.33.0520	
		5516.34.0510, 5516.34.0520	
		5801.10.0000	

<sup>1</sup>Source: 1989 edition, Harmonized System-Based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

<sup>2</sup>Source: Harmonized Tariff Schedule of the United States, Annotated (1989).







# 1987 Industry and Product Classification Manual

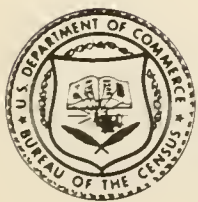
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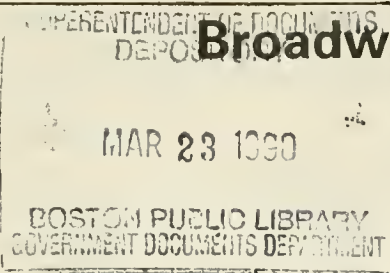
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B.158:MQ 22 T(89)-3

Current Industrial Reports,...



## Broadwoven Fabrics (Gray)

THIRD QUARTER 1989

U.S. Department of Commerce  
BUREAU OF THE CENSUSMQ22T(89)-3  
Issued February 1990

The statistics in this publication are based on a survey of manufactures and represent total U.S. production of broadwoven fabrics over 12 inches. Estimates are included for companies whose reports were not received in time

for tabulation. A description of the survey methodology and related information may be found in the first quarter 1989 report for this series, MQ22T(89)-1, issued July 1989.

This report is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100.

Table 1. SUMMARY OF PRODUCTION OF BROADWOVEN GRAY FABRICS, BY TYPE OF FABRIC: 1984 TO 1989

(Millions of square yards)

Year	Chiefly cotton fabrics	Manmade fiber fabrics, including silk and manmade/wool blends	Chiefly wool fabric	Tire cord and tire cord fabrics
<b>1989</b>				
Third quarter.....	1,135.1	2,636.5	39.9	170.1
Second quarter.....	1,193.2	2,752.4	48.9	179.3
First quarter.....	1,149.8	2,762.7	47.5	166.9
<b>1988</b>				
Fourth quarter.....	1,052.3	2,847.7	43.9	168.9
Third quarter.....	1,072.2	2,735.6	43.0	169.5
Second quarter.....	1,255.0	2,877.6	53.0	157.7
First quarter.....	1,252.1	2,908.8	50.6	153.8
<b>1987</b>				
Fourth quarter.....	1,178.2	2,945.9	40.9	126.8
Third quarter.....	1,219.1	2,787.7	36.0	122.1
Second quarter.....	1,216.9	2,764.0	45.9	121.9
First quarter.....	1,158.0	2,736.7	46.0	124.5
<b>1986</b>				
Fourth quarter.....	1,129.3	2,785.4	30.2	116.0
Third quarter.....	1,095.2	2,561.5	27.8	105.9
Second quarter.....	1,102.6	2,659.8	41.2	108.8
First quarter.....	1,037.0	2,757.5	40.2	112.8
<b>1985</b>				
Fourth quarter.....	955.4	2,696.4	34.0	112.2
Third quarter.....	933.0	2,652.6	24.3	107.9
Second quarter.....	1,001.7	2,685.7	39.5	129.5
First quarter.....	1,030.3	2,761.9	40.6	145.9
<b>1984</b>				
Fourth quarter.....	955.2	2,878.2	36.7	143.0
Third quarter.....	946.6	2,921.5	29.7	135.4
Second quarter.....	1,031.5	3,026.3	44.3	146.3
First quarter.....	1,068.8	3,026.4	48.6	139.9

- Revised by 5 percent or more from previously published figures.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Judy Dodds, (301) 763-7536.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.



Table 2. SUMMARY OF PRODUCTION AND LOOM ASSIGNMENTS OF BROADWOVEN GRAY FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1989		Second quarter 1989		Production, year-to-date (M sq. yards)
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)	
	Cotton and chiefly cotton fabrics mixed mainly or solely with manmade fibers.....	39,088	1,135,113	40,113	1,193,221	3,478,177
2211B 00	Plain weaves.....	20,099	569,330	20,643	605,028	1,812,303
2211C 00	Twill weaves.....	7,150	305,160	7,439	318,068	892,296
2211D 00	All other weaves except pile.....	5,239	131,963	5,263	129,878	374,295
2211E 00	Pile fabrics.....	6,600	128,660	6,768	140,247	399,283
	Chiefly cotton fabrics mixed mainly or solely with other than manmade fibers.....	(D)	(D)	(D)	(D)	(D)
	Manmade fiber and silk gray broadwoven fabrics.....	74,147	2,636,554	75,072	2,752,410	8,751,648
2221B 00	85 percent or more filament rayon and/or acetate fabrics.....	9,289	178,419	9,591	189,970	550,504
2221C 00	85 percent or more filament fabrics, except rayon and/or acetate.....	19,111	1,123,118	18,794	1,194,482	3,526,615
	85 percent or more spun yarn fabrics, except wool blends.....	36,972	1,035,140	37,705	1,050,580	3,741,166
2221D 00	Plain weave, except pile.....	28,962	834,635	29,044	833,783	3,117,101
2221E 00	Twill weave, except pile.....	4,315	128,276	4,678	136,030	395,564
2221F 00	All other weaves, except pile.....	3,695	72,229	3,983	80,767	228,501
2221G 00	Spun/filament yarn combinations.....	(D)	(D)	(D)	(D)	(D)
2221H 10	Pile fabrics.....	824	13,997	866	15,058	43,570
2221H 2X	All other chiefly manmade fiber fabrics, including chiefly manmade fiber blends with wool.....	(D)	(D)	(D)	(D)	(D)
2221H 31	Silk fabrics.....	*141	*280	*153	*432	1,126
	Woolen and worsted fabrics.....	2,069	39,902	2,229	48,889	136,261

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter 1989 report, HQ22T(89)-1, issued June 1989, for a discussion of estimation of missing reports): \*10 to 25 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. \* Revised by 5 percent or more from previously published figures.

Table 3. SUMMARY OF PRODUCTION OF BROADWOVEN FABRIC BY TEXTILE CATEGORY

(Thousands of square yards)

Product description	Production during quarter		Production year-to-date
	Third quarter 1989	Second quarter 1989	
Blue denim.....	179,254	188,016	529,586
All other yarn dyed fabric.....	129,026	131,512	400,694
Plain weave.....	33,112	29,371	108,921
Twill weave.....	29,218	31,633	89,100
All other weaves.....	66,696	70,508	202,673
Cheesecloth and batistes.....	321,561	336,573	1,014,244
Duck.....	(D)	(D)	(D)
Oxfords.....	21,013	20,322	54,423
Pile fabrics.....	142,657	155,305	442,853
Special weave fabric.....	96,902	101,726	289,558
Other fabrics, chiefly cotton fiber:			
Print cloth.....	86,756	86,565	270,903
Poplin and broadcloth.....	39,774	39,282	122,216
Sheeting.....	156,108	171,453	505,781
Twill.....	99,930	101,921	283,351
Sateens.....	13,974	10,023	32,366
Other fabrics, chiefly manmade fiber:			
Manmade/wool blends.....	(D)	(D)	(D)
85 percent or more filament yarn fabrics:			
Typewriter fabric.....	21,096	24,935	71,756
Other nylon.....	110,735	107,762	325,816
Rayon and acetate.....	178,419	189,970	550,504
Polyester.....	187,678	201,798	591,133
Glass fiber.....	80,810	85,393	257,258
All other.....	722,799	774,594	2,280,652
85 percent or more spun yarn fabrics:			
Print cloth.....	197,859	193,363	602,195
Poplin and broadcloth.....	163,331	206,786	1,169,411
Sheeting.....	389,037	354,545	1,090,873
Twill and sateens.....	132,559	142,700	415,132
Spun filament combinations except blue denim:			
Print cloth.....	80,923	79,177	246,918
Poplin and broadcloth.....	43,478	47,471	128,427
Sheeting.....	38,514	41,072	119,517
Twill and sateens.....	28,940	29,875	92,613
Other.....	77,091	82,946	244,459
Wool fabrics.....	39,902	48,889	136,266
Silk fabrics.....	*280	*432	*1,126

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter 1989 report, HQ22T(89)-1, issued June 1989, for a discussion of estimation of missing reports): \*10 to 25 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. \* Revised by 5 percent or more from previously published figures.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1989		Second quarter 1989	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
211B 02	Tobacco, cheese, and bandage cloth.....	5,333	322,298	5,441	337,162
221D 04	More than 50 percent cotton.....	4,893	264,567	4,926	283,716
221D 08	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
221D 18	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
221G 04	Spun/filament combinations.....	(D)	(D)	(D)	(D)
211B 12	Priot cloth.....	17,499	365,538	17,882	359,105
221D 14	More than 50 percent cotton.....	6,388	86,756	6,522	86,565
221D 16	Chiefly spun polyester mixed with cotton.....	6,132	150,550	5,632	134,851
221D 18	Chiefly spun polyester mixed with rayon.....	2,671	39,954	3,319	48,114
221D 18	All other fabrics, 85 percent or more spun yarn.....	288	7,355	422	10,398
221G 07	Spun/filament combinations.....	2,020	80,923	1,987	79,177
211B 22	Poplin and broadcloth.....	8,938	273,644	9,853	318,733
211B 26	More than 50 percent cotton.....	2,053	49,278	2,048	48,390
211B 26	Weighting 5.9 ounces or less per square yard.....	1,722	37,905	1,772	36,100
211B 32	Carded.....	862	15,289	846	16,009
211B 36	Combed.....	860	22,616	926	20,091
221D 24	Weighting more than 5.9 ounces per square yard.....	331	11,373	276	12,290
221D 24	Carded.....	(D)	(D)	(D)	(D)
221D 26	Combed.....	(D)	(D)	(D)	(D)
221D 28	Chiefly spun polyester mixed with cotton.....	5,231	159,865	6,099	197,737
221D 32	Weighting 5.0 ounces or less per square yard.....	4,911	144,930	5,469	169,225
221D 34	Carded.....	3,466	94,696	4,025	97,992
221D 36	Combed.....	1,445	50,234	1,444	71,233
221D 38	Weighting more than 5.0 ounces per square yard.....	320	14,935	630	28,512
221D 42	Carded.....	143	4,159	(D)	(D)
221D 44	Combed.....	177	10,776	(D)	(D)
221G 19	All other fabrics, 85 percent or more spun yarn.....	802	21,023	782	25,135
221G 19	Spun/filament combinations.....	852	43,478	924	47,471
211B 42	Lawn, voile, and batistes.....	849	9,578	722	11,542
221D 42	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
221D 44	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
221G 21	All other fabrics, 85 percent or more spun yarn.....	-	-	-	-
221G 21	Spun/filament combinations.....	(D)	(D)	(D)	(D)
211B 72	Duck, including taped warp duck.....	822	19,056	846	22,858
221D 88	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
221D 92	Chiefly spun polyester mixed with cotton.....	195	3,265	159	2,995
221G 77	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
221G 77	Spun/filament combinations.....	(D)	(D)	(D)	(D)
211B 51	Bedsheeting.....	14,107	438,197	13,983	428,180
221D 51	More than 50 percent cotton.....	3,231	88,122	3,488	97,223
221D 53	Chiefly spun polyester mixed with cotton.....	10,341	317,541	9,906	296,210
221D 55	Carded.....	1,746	79,919	1,826	85,943
221D 55	Combed.....	8,595	237,622	8,080	210,267
221G 33	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
221G 33	Spun/filament combinations.....	(D)	(D)	(D)	(D)
211B 62	All other sheeting, including oenaburgs.....	5,160	151,513	4,702	143,067
221D 62	More than 50 percent cotton.....	2,920	70,401	3,042	76,129
221B 64	Weighting 5.9 ounces or less per square yard.....	2,252	44,885	2,393	51,916
221B 66	Weighting more than 5.9 ounces per square yard.....	668	25,516	649	24,213
221D 64	Blanketing.....	206	11,212	161	11,992
221D 66	All other fabric.....	462	14,304	488	12,221
221D 64	85 percent or more spun polyester.....	338	10,075	266	9,551
221D 66	Blanketing.....	(D)	(D)	(D)	(D)
221D 66	All other fabric.....	(D)	(D)	(D)	(D)
221D 74	Chiefly spun polyester mixed with cotton.....	1,065	36,233	794	28,373
221D 76	Weighting 5.0 ounces or less per square yard.....	906	32,982	663	25,494
221D 76	Weighting more than 5.0 ounces per square yard.....	159	3,251	131	2,879
221D 82	Chiefly spun acrylic.....	270	13,553	206	13,072
221D 84	Blanketing.....	(D)	(D)	(D)	(D)
221D 84	All other fabric.....	(D)	(D)	(D)	(D)
221D 86	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
221G 45	Spun/filament combinations.....	(D)	(D)	(D)	(D)

See footnotes at end of table.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS--Continued

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1989		Second quarter 1989	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
2211C 01	Blue denim.....	3,280	179,254	3,297	188,016
2211C 03	More than 50 percent cotton.....	3,245	177,336	3,259	185,910
2221E 03	Weighing 10.7 ounces or less per square yard.....	451	25,397	516	23,803
2221G 46	Weighing more than 10.7 ounces per square yard.....	2,794	151,939	2,743	162,107
	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211C 12	All other denim.....	602	29,295	582	33,595
2211C 14	More than 50 percent cotton.....	575	27,782	546	31,959
2221E 14	Weighing 10.7 ounces or less per square yard.....	82	3,358	98	4,341
2221G 48	Weighing more than 10.7 ounces per square yard.....	493	24,424	448	27,618
	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
	Spun filament combinations.....	(D)	(D)	(D)	(D)
2211C 22	Canton flannels.....	(D)	6,356	(D)	5,362
2211C 32	All other twill weaves.....	7,760	235,761	8,511	246,863
2211C 34	More than 50 percent cotton.....	2,903	93,686	3,197	94,837
2221E 22	Weighing 5.9 ounces or less per square yards.....	1,281	39,820	1,231	24,916
	Weighing more than 5.9 ounces per square yard.....	1,622	53,866	1,966	69,921
	85 percent or more spun polyester.....	203	6,358	247	6,886
2221E 24	Chiefly spun polyester mixed with cotton.....	2,729	101,516	2,866	105,466
2221E 26	Weighing 5.0 ounces or less per square yard.....	609	14,194	647	15,848
2221E 28	Weighing more than 5.0 ounces per square yard.....	2,120	87,322	2,219	89,618
2221G 39	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211D 05	Sateens.....	1,310	33,209	1,381	30,339
2211F 05	More than 50 percent cotton.....	535	13,974	441	10,023
2221F 07	Chiefly spun polyester mixed with cotton.....	193	3,301	212	3,511
2221G 63	All other fabrics, 85 percent or more spun yarn.....	139	2,306	329	4,562
	Spun/filament combinations.....	443	13,628	399	12,243
2211D 12	Oxfords.....	1,099	53,466	1,097	50,783
2221F 12	More than 50 percent cotton.....	856	44,276	769	38,791
2221F 16	Chiefly spun polyester mixed with cotton.....	118	5,506	162	7,413
2221G 68	All other fabrics, 85 percent or more spun yarn.....	417	7,733	17	446
	Spun/filament combinations.....	108	2,951	149	4,133
2211D 32	Birdseye diaper cloth.....	(D)	(D)	(D)	(D)
2211D 35	Huck and crash toweling.....	(D)	(D)	(D)	(D)
2211D 45	Table damask.....	469	11,996	634	14,297
2221F 33	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221F 36	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221G 82	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	-	-	-	-
2211D 52	Jacquard and dobby shirting fabrics.....	577	7,879	542	9,084
2221F 42	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221F 44	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221G 84	All other fabric, 85 percent or more spun yarn.....	-	-	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211D 62	All other weaves.....	7,540	151,469	7,657	161,771
2211D 64	More than 50 percent cotton.....	2,491	41,747	2,504	46,155
2221F 52	Weighing 5.9 ounces or less per square yard.....	1,196	19,997	1,065	20,845
	Weighing more than 5.9 ounces per square yard.....	1,295	21,750	1,439	25,310
	85 percent or more spun polyester.....	444	7,169	465	8,270
2221F 54	Chiefly spun polyester mixed with cotton.....	1,009	13,785	1,156	16,586
2221F 56	Weighing 5.0 ounces or less per square yard.....	430	6,638	579	8,862
2221F 58	Weighing more than 5.0 ounces per square yard.....	579	7,147	577	7,724
2221G 87	All other fabrics, 85 percent or more spun yarn.....	1,265	27,674	1,130	26,221
	Spun/filament combinations.....	2,331	61,094	2,402	64,539

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter 1989 report, MQ22T(89)-1, issued June 1989, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.



Table 5. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE FILAMENT YARN FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1989		Second quarter 1989	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	85 percent or more filament yarn fabrics.....	28,400	1,301,537	28,385	1,384,452
	High tenacity yarn fabrics.....	952	19,711	1,019	22,308
21B 01	100 percent and chiefly rayon.....	472	4,971	469	5,317
21C 01	100 percent and chiefly nylon.....	250	6,096	325	9,375
21C 03	100 percent and chiefly polyester.....	230	8,644	225	7,616
	85 percent or more acetate or triacetate filament yarn fabrics.....	<sup>1</sup> 6,812	<sup>1</sup> 137,459	<sup>1</sup> 7,205	<sup>1</sup> 148,668
	Weighing not more than 5 ounces per square yard.....	<sup>1</sup> 5,756	<sup>1</sup> 122,825	<sup>1</sup> 6,129	<sup>1</sup> 132,275
21B 21	Plain weave.....	<sup>1</sup> 4,125	<sup>1</sup> 83,672	<sup>1</sup> 4,326	<sup>1</sup> 89,842
21B 23	Other weaves.....	<sup>1</sup> 1,631	<sup>1</sup> 39,153	<sup>1</sup> 1,803	<sup>1</sup> 42,433
	Weighing more than 5 ounces per square yard.....	<sup>1</sup> 1,056	<sup>1</sup> 14,634	<sup>1</sup> 1,076	<sup>1</sup> 16,393
21B 25	Plain weave.....	(D)	(D)	(D)	(D)
21B 27	Other weaves.....	(D)	(D)	(D)	(D)
	85 percent or more rayon filament yarn fabrics.....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
21B 41	Weighing not more than 5 ounces per square yard.....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
21B 43	Weighing more than 5 ounces per square yard.....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
	Other chiefly rayon and/or acetate filament yarn fabrics.....	2,005	35,989	1,917	35,985
21B 51	Weighing not more than 5 ounces per square yard.....	452	5,505	411	5,220
21B 53	Weighing more than 5 ounces per square yard.....	<sup>a</sup> 1,553	<sup>b</sup> 30,484	<sup>c</sup> 1,506	30,765
	85 percent or more nylon filament yarn fabrics.....	4,855	122,708	4,695	121,273
21C 11	Typewriter and other impression fabrics.....	696	21,906	879	24,935
	Other 85 percent or more nylon filament yarn fabrics.....	4,159	101,612	3,816	96,338
	Weighing not more than 5 ounces per square yard.....	3,211	86,546	2,875	82,749
21C 13	Flat, non-textured.....	2,693	73,806	2,490	71,365
21C 15	All other.....	518	12,740	385	11,384
	Weighing more than 5 ounces per square yard.....	948	15,066	941	13,589
21C 23	Flat, non-textured.....	724	6,997	782	7,511
21C 25	All other.....	224	8,069	159	6,078
	Other chiefly nylon filament fabrics.....	390	3,027	201	2,049
21C 31	Weighing not more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)
21C 33	Weighing more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)
	85 percent or more polyester filament yarn fabrics.....	6,667	175,812	6,610	191,215
21C 44	Textured.....	3,950	114,483	4,189	132,705
21C 43	Weighing not more than 5 ounces per square yard <sup>2</sup> .....	2,310	45,721	2,135	45,720
21C 45	Flat.....	(D)	(D)	(D)	(D)
21C 46	Other.....	(D)	(D)	(D)	(D)
21C 50	Weighing more than 5 ounces per square yard <sup>2</sup> .....	1,640	68,762	2,054	86,985
	Non-textured.....	2,717	61,329	2,421	58,510
21C 62	Weighing not more than 5 ounces per square yard <sup>2</sup> .....	2,097	43,808	<sup>f</sup> 1,796	40,668
21C 66	Weighing more than 5 ounces per square yard <sup>2</sup> .....	620	17,521	625	17,842
21C 73	Other chiefly polyester filament fabrics.....	122	3,222	131	2,967
	Glass fiber fabrics.....	2,486	80,810	2,489	85,393
21C 82	Woven roving and screening.....	<sup>g</sup> 72	3,915	74	4,703
21C 89	All other glass fiber fabrics.....	2,414	76,895	2,415	80,690
	All other 85 percent or more filament yarn fabrics, including saran and olefin and fabrics obtained from strip, except rayon and/or acetate.....	4,111	722,799	4,118	774,594
21C 91	Carpet backing.....	2,929	648,732	2,914	697,106
21C 93	All other.....	<sup>a</sup> 1,182	<sup>g</sup> 74,067	1,204	77,488

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter 1989 report, 22T(89)-1, issued June 1989, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. <sup>f</sup>Revised by 5 percent or more from previously published figures.

<sup>1</sup>Included with 85 percent or more acetate or triacetate filament yarn fabric to avoid disclosing figures for individual companies.

<sup>2</sup>Classified on a finished weight basis.



Table 6. PRODUCTION AND LOOM ASSIGNMENT OF PILE FABRICS  
(INCLUDES YARN DYED FABRIC)

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1989		Second quarter 1989	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Pile fabrics.....	7,424	142,657	7,634	155,3
	Corduroy.....	1,287	17,421	1,346	24,0
	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2211E 01	Finewales and pinwales.....	735	7,636	741	10,2
2211E 03	Midwales.....	272	5,320	(D)	7,4
2211E 05	Thicksets.....	(D)	(D)	(D)	(D)
2211E 07	Widewales and other.....	269	3,985	292	5,2
2221N 01	Chiefly manmade fiber.....	(D)	(D)	(D)	(D)
	Velvets, plushes, and other pile fabrics.....	896	15,214	945	15,9
2211E 21	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221N 11	Chiefly manmade fiber.....	(D)	(D)	(D)	(D)
	Terry cloth and terry toweling.....	5,241	110,022	5,343	115,2
2211E 32	Terry toweling.....	5,133	106,897	5,188	110,5
2211E 34	Terry cloth.....	108	3,125	155	4,6

(D) Data withheld to avoid disclosing figures for individual companies.

Table 7. PRODUCTION AND LOOM ASSIGNMENT OF WOOLEN AND WORSTED FABRICS,  
INCLUDING CHIEFLY MANMADE/WOOL BLENDS AND CHIEFLY COTTON/WOOL BLENDS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1989		Second quarter 1989	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Woolen and worsted fabrics, 36 percent or more wool (except felts) <sup>1</sup> .....	1,955	38,904	2,229	48,
	Apparel fabrics, including government orders.....	1,760	35,437	2,080	46,
	Worsted fabrics.....	920	21,749	1,059	26,
22312 01	Weighing not more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)
22312 02	Weighing more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)
	Woolen fabrics.....	840	13,688	1,021	20,
22312 21	Weighing not more than 9 ounces per square yard.....	116	2,252	122	4,
22312 23	Weighing more than 9 ounces per square yard.....	<sup>b</sup> 724	<sup>a</sup> 11,436	<sup>b</sup> 899	15,
	Nonapparel fabrics, including government orders (except felts).....	195	3,467	149	2,
22312 62	Blanketing, including thermal.....	<sup>b</sup> 28	736	<sup>b</sup> 26	(D)
22312 85	All other fabrics.....	<sup>b</sup> 167	<sup>b</sup> 2,731	<sup>a</sup> 123	1,
22312 92	Woven felts (thousands of pounds).....	163	1,460	<sup>r</sup> 163	<sup>r</sup> 1,
	Chiefly manmade/wool blend and chiefly cotton/wool blend fabrics.....	(D)	(D)	(D)	(D)
2221H 22	Chiefly spun polyester mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)
2221H 21	All other chiefly spun fibers mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)
2221H 92	Chiefly filament polyester mixed mainly or solely with wool or spun polyester/wool blends.....	(D)	(D)	(D)	(D)
2221H 98	All other chiefly filament yarn mixed mainly or solely with wool...	(D)	(D)	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter 1989 report, MQ221(89)-1, issued June 1989, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.

<sup>1</sup>Includes fabrics 36 percent or more wool or reprocessed wool by weight. 1986 and prior years include fabrics 50 percent or more wool or reprocessed wool by weight.



Table 8. PRODUCTION AND LOOM ASSIGNMENT OF UPHOLSTERY FABRICS  
(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1989		Second quarter 1989	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Upholstery fabrics.....	4,320	92,015	4,370	89,731
	85 percent or more spun yarn and spin filament combinations.....	3,710	78,021	3,734	75,501
	Pile woven.....	1,148	19,884	1,170	21,555
211E 41	All cotton and chiefly cotton.....	(S)	*1,262	(S)	*1,712
221H 41	All manmade and chiefly manmade.....	767	*18,622	796	*19,843
	Flat woven.....	2,562	58,137	2,564	53,946
211X 01	All cotton and chiefly cotton.....	647	16,714	644	14,161
	All manmade and chiefly manmade.....	1,915	41,423	1,920	39,785
221X 01	Olefin.....	453	9,230	455	9,677
221X 03	All other flat woven manmade fiber fabrics.....	<sup>b</sup> 1,462	<sup>b</sup> 32,193	1,465	30,108
	85 percent or more filament yarn.....	610	13,994	636	14,230
221C 77	All polyester and chiefly polyester.....	<sup>b</sup> 179	<sup>b</sup> 3,605	<sup>b</sup> 185	<sup>b</sup> 3,786
221C 78	All nylon and chiefly nylon.....	(D)	(D)	(D)	(D)
221C 98	All olefin and chiefly olefin.....	<sup>b</sup> 302	<sup>b</sup> 7,866	<sup>b</sup> 323	<sup>b</sup> 8,081
221C 99	All other filament fiber fabrics.....	(D)	(D)	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter 1989 report, Q22T(89)-1, issued June 1989, for a discussion of estimation of missing reports): \*10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

These data are included in the data shown in tables 4, 5, and 6.

(D) Data withheld to avoid disclosing figures for individual companies. (S) Suppressed. Data did not meet publication standards of the Bureau of the Census.

Table 9. PRODUCTION OF TIRE CORD AND TIRE CORD FABRICS  
(Thousands of pounds)

Product code	Product description	Production during quarter	
		Third quarter 1989	Second quarter 1989
22960 00	Tire cord and tire cord fabrics.....	170,060	<sup>r</sup> 179,263
22960 12	Cotton tire cord and tire cord fabrics.....	(D)	(D)
22960 32	Rayon tire cord and tire cord fabrics.....	(D)	(D)
22960 35	Nylon tire cord and tire cord fabrics.....	40,487	42,853
22960 37	Polyester tire cord and tire cord fabrics.....	46,014	50,085
22960 38	Glass tire cord and tire cord fabrics.....	364	626
22960 45	Steel tire cord.....	79,068	<sup>r</sup> 80,300
22960 51	All other tire cord and tire cord fabrics including chafer.....	2,958	<sup>r</sup> 3,703

(D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.

Table 10. LOOMS IN PLACE AND LOOM HOURS OPERATED IN BROADWOVEN FABRIC MILLS

Product description	Third quarter 1989		Second quarter 1989	
	Looms in place (number)	Thousands of loom hours operated	Looms in place (number)	Thousands of loom hours operated
Total.....	123,122	200,190	125,413	216,062
Shuttle type looms.....	58,584	89,505	61,453	98,789
Single shuttle cam looms.....	40,111	63,521	41,851	69,151
Single shuttle dobby looms.....	*11,593	*17,270	*12,041	*19,675
Multiple shuttle box or head motion looms.....	*4,302	5,617	*4,468	6,378
Double shuttle pile and plush, and jacquard looms.....	*2,578	3,097	*3,093	3,585
Shuttleless looms and weaving machines.....	64,538	110,685	63,960	117,273
Single filling insertion capability.....	37,953	67,263	37,840	72,038
Air jet looms.....	13,231	24,087	13,002	24,271
Water jet looms.....	6,283	10,418	6,240	11,358
Projectile looms.....	12,492	22,906	12,492	25,734
Rapier looms.....	5,947	9,852	6,106	10,675
Multiple filling insertion capability.....	25,965	42,648	25,490	43,951
Air jet looms.....	(D)	(D)	(D)	(D)
Water jet looms.....	(D)	(D)	(D)	(D)
Projectile looms.....	11,151	19,380	11,120	20,347
Rapier looms.....	*12,277	*18,968	11,876	19,351
Pile and plush looms.....	620	774	630	1,284

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter 1989 report, HQ22T(89)-1, issued June 1989, for a discussion of estimation of missing reports): \*10 to 25 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies.



Table 11. PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF BROADWOVEN FABRICS: THIRD QUARTER 1989

(Quantity in thousands of square meters; value in thousands of dollars)

Product description	Manufacturers' shipments <sup>1</sup> (quantity)	Imports for consumption <sup>2</sup>		Percent imports to manufacturers' shipments <sup>3</sup> (quantity)	Exports of domestic merchandise <sup>4</sup>		Percent exports to manufacturers' shipments <sup>3</sup> (quantity)	Apparent consumption <sup>5</sup>
		Quantity	Value <sup>3</sup>		Quantity	Value		
Cotton fabric <sup>6</sup> .....	1,135,113	323,984	295,879	28.5	(NA)	(NA)	(NA)	(NA)
Cheesecloth and batistes.....	(D)	7,468	4,838	(D)	9,674	14,479	(D)	(D)
Print cloth.....	86,756	75,317	37,850	86.8	1,072	1,900	1.2	16,101
Poplin and broadcloth.....	39,774	42,580	35,492	107.1	3,072	4,980	7.7	79,282
Weighing 5.9 ounces or less per square yard.....	(D)	42,365	34,514	(D)	1,090	2,249	(D)	(D)
Weighing more than 5.9 ounces per square yard.....	(D)	215	978	(D)	1,982	2,731	(D)	(D)
Duck, including tape warp.....	(D)	14,378	13,287	(D)	2,182	5,105	(D)	(D)
Sheeting.....	156,108	89,130	63,056	57.1	3,520	6,813	2.3	241,711
Twills and sareens.....	113,904	43,129	46,435	37.9	2,906	6,734	2.6	154,121
Oxfords.....	14,817	1,004	2,461	6.8	(NA)	(NA)	(NA)	(NA)
All other constructions.....	53,749	12,548	14,018	23.3	6,473	14,692	12.0	59,822
Blue Denim.....	177,336	18,699	30,423	10.5	8,954	19,547	5.0	187,080
Yarn dyed fabric.....	89,236	17,519	40,226	19.6	2,660	5,285	3.0	104,090
Pile fabrics, including yarn dyed.....	128,660	2,212	7,793	1.7	2,022	6,429	1.6	128,850
Manmade fiber fabrics.....	2,636,554	151,395	327,910	5.7	(NA)	(NA)	(NA)	(NA)
85% or more filament yarn fabrics.....	1,301,537	69,524	123,470	5.3	(NA)	(NA)	(NA)	(NA)
Nylon and polyester high tenacity fabric.....	14,740	3,054	6,815	20.7	7,679	12,849	52.1	10,111
Rayon high tenacity fabric.....	4,971	1,648	1,654	33.2	575	1,441	11.6	6,040
Typewriter fabric.....	21,096	197	278	0.9	(NA)	(NA)	(NA)	(NA)
Rayon or acetate filament yarn fabrics.....	173,448	3,606	7,792	2.1	2,186	5,403	1.3	174,860
Polyester filament yarn fabric.....	179,034	46,957	87,386	26.2	13,431	18,314	7.5	212,550
Glass fiber fabric.....	80,810	6,370	8,265	7.9	(NA)	(NA)	(NA)	(NA)
Nylon filament yarn fabric.....	104,639	6,636	8,801	6.3	3,485	9,635	3.3	107,710
All other filament yarn fabric.....	722,799	1,056	2,479	(Z)	5,823	10,782	0.8	718,010
85% or more spun yarn fabric.....	1,049,137	48,061	64,866	4.6	13,933	29,207	1.3	1,083,210
Cheesecloth and batistes.....	(D)	1,406	1,245	(D)	(NA)	(NA)	(NA)	(NA)
Poplin broadcloth.....	163,331	17,739	14,174	10.9	(NA)	(NA)	(NA)	(NA)
Polyester/cotton.....	145,886	17,206	13,250	11.8	(NA)	(NA)	(NA)	(NA)
Weighing 5.0 ounces or less per square yard.....	132,415	16,540	11,891	12.5	(NA)	(NA)	(NA)	(NA)
Weighing more than 5.0 ounces per square yard.....	13,471	666	1,359	4.9	(NA)	(NA)	(NA)	(NA)
All other spun yarns.....	17,445	533	924	3.1	(NA)	(NA)	(NA)	(NA)
Print cloth.....	197,859	6,562	3,056	3.3	(NA)	(NA)	(NA)	(NA)
Polyester/cotton.....	150,550	2,081	839	1.4	(NA)	(NA)	(NA)	(NA)
All other spun yarns.....	47,309	4,481	2,217	9.5	(NA)	(NA)	(NA)	(NA)
Duck.....	(D)	201	701	(D)	(NA)	(NA)	(NA)	(NA)
Sheeting.....	389,037	4,220	5,275	1.1	12,191	23,604	(NA)	(NA)
Polyester/cotton.....	(D)	3,540	2,693	(D)	(NA)	(NA)	(NA)	(NA)
Weighing 5.0 ounces or less per square yard.....	(D)	3,540	2,693	(D)	(NA)	(NA)	(NA)	(NA)
Weighing more than 5.0 ounces per square yard.....	(D)	680	2,582	(D)	(NA)	(NA)	(NA)	(NA)
All other spun yarn.....	(D)							
Sateens or twills.....	132,559	7,416	9,207	5.6	(NA)	(NA)	(NA)	(NA)
Oxford.....	6,196	5	10	(Z)	(NA)	(NA)	(NA)	(NA)
All other spun manmade fiber fabrics.....	43,153	1,928	6,093	4.5	(NA)	(NA)	(NA)	(NA)
Yarn dyed fabric.....	39,790	7,113	17,222	17.9	(NA)	(NA)	(NA)	(NA)
Pile fabrics.....	13,997	1,471	7,883	10.5	1,742	5,603	12.4	13,100
Spun/filament yarn combinations, including yarn dyed.....	(D)	20,048	37,179	(D)	6,991	17,651	(D)	
Chiefly manmade/wool blends.....	(D)	6,411	23,514	(D)	(NA)	(NA)	(NA)	(NA)
Silk fabrics.....	<sup>a</sup> 280	7,351	78,881	2,625.4	254	1,927	90.8	7,000
Wool fabrics.....	39,902	6,065	67,025	15.2	757	4,150	1.9	45,000
Chiefly cotton fabric blended with wool and other vegetable fibers and other vegetable fiber fabrics.....	(D)	32	227	(D)	2,028	6,065	(D)	

Note: Fabric blends as shown in Current Industrial Reports Series MQ22T are reported based on the chief weight of the fiber whereas fabric blends as shown for imports and exports are based on the chief value of the fiber.

(D) Data withheld to avoid disclosing figures for individual companies. (NA) Not available. (Z) Less than one-half of one percent.

<sup>1</sup>Represents production of gray broadwoven fabrics; import and export data represent gray as well as finished broadwoven fabrics. For a comparison of Standard Industrial Classification (SIC) based product codes with Schedule B export numbers and HTSUSA import numbers, see table 12 in the second quarter 1989 report, MQ22T(89)-2, issued October 1989.

<sup>2</sup>Source: Bureau of the Census Report EM 522, U.S. Exports.

<sup>3</sup>Source: Bureau of the Census Report IM 145, U.S. Imports for Consumption.

<sup>4</sup>This dollar value represents the c.i.f. (cost, insurance, and freight) at the first port of entry in the United States plus calculated import duty.

<sup>5</sup>Apparent consumption represents new domestic supply and is derived by subtracting exports from the total manufacturers' shipments plus imports.

<sup>6</sup>Includes all cotton and chiefly cotton mixed with manmade fiber.



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## Broadwoven Fabrics (Gray)

3.158:MQ 22 T(89)-4

Current Industrial Reports,...

MAY 12 1990

FOURTH QUARTER 1989

U.S. Department of Commerce  
BUREAU OF THE CENSUSMQ22T(89)-4  
Issued March 1990

The statistics in this publication are based on a survey of manufactures and represent total U.S. production of broadwoven fabrics over 12 inches. Estimates are included for companies whose reports were not received in time

for tabulation. A description of the survey methodology and related information may be found in the first quarter 1989 report for this series, MQ22T(89)-1, issued July 1989.

This report is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100.

Table 1. SUMMARY OF PRODUCTION OF BROADWOVEN GRAY FABRICS, BY TYPE OF FABRIC: 1984 TO 1989

(Millions of square yards)

Year	Chiefly cotton fabrics	Manmade fiber fabrics, including silk and manmade/wool blends	Chiefly wool fabric	Tire cord and tire cord fabrics
1989				
Fourth quarter.....	1,096.3	2,688.2	36.3	163.7
Third quarter.....	1,135.8	2,637.5	39.1	172.0
Second quarter.....	1,193.2	2,752.4	48.9	179.3
First quarter.....	1,149.8	2,762.7	47.5	166.9
1988				
Fourth quarter.....	1,052.3	2,847.7	43.9	168.9
Third quarter.....	1,072.2	2,735.6	43.0	169.5
Second quarter.....	1,255.0	2,877.6	53.0	157.7
First quarter.....	1,252.1	2,908.8	50.6	153.8
1987				
Fourth quarter.....	1,178.2	2,945.9	40.9	126.8
Third quarter.....	1,219.1	2,787.7	36.0	122.1
Second quarter.....	1,216.9	2,764.0	45.9	121.9
First quarter.....	1,158.0	2,736.7	46.0	124.5
1986				
Fourth quarter.....	1,129.3	2,785.4	30.2	116.0
Third quarter.....	1,095.2	2,561.5	27.8	105.9
Second quarter.....	1,102.6	2,659.8	41.2	108.8
First quarter.....	1,037.0	2,757.5	40.2	112.8
1985				
Fourth quarter.....	955.4	2,696.4	34.0	112.2
Third quarter.....	933.0	2,652.6	24.3	107.9
Second quarter.....	1,001.7	2,685.7	39.5	129.5
First quarter.....	1,030.3	2,761.9	40.6	145.9
1984				
Fourth quarter.....	955.2	2,878.2	36.7	143.0
Third quarter.....	946.6	2,921.5	29.7	135.4
Second quarter.....	1,031.5	3,026.3	44.3	146.3
First quarter.....	1,068.8	3,026.4	48.6	139.9

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Judy Dodds, (301) 763-7536.

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Table 2. SUMMARY OF PRODUCTION AND LOOM ASSIGNMENTS OF BROADWOVEN GRAY FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1989		Third quarter 1989		Production, year-to-date (M sq. yards)
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)	
	Cotton and chiefly cotton fabrics mixed mainly or solely with manmade fibers.....	37,217	1,096,436	39,231	1,135,827	4,575,327
2211B 00	Plain weaves.....	18,343	568,099	20,305	570,044	2,331,116
2211C 00	Twill weaves.....	6,937	287,282	7,176	305,160	1,179,578
2211D 00	All other weaves except pile.....	5,198	121,592	5,207	131,963	495,887
2211E 00	Pile fabrics.....	6,739	119,463	6,543	128,660	518,746
	Chiefly cotton fabrics mixed mainly or solely with other than manmade fibers....	(D)	(D)	(D)	(D)	(D)
	Manmade fiber and silk gray broadwoven fabrics.....	71,123	2,688,161	74,196	2,637,489	10,840,744
2221B 00	85 percent or more filament rayon and/or acetate fabrics.....	8,711	168,669	9,301	178,431	719,185
2221C 00	85 percent or more filament fabrics, except rayon and/or acetate.....	17,513	1,235,341	18,603	1,114,880	4,753,718
	85 percent or more spun yarn fabrics, except wool blends.....	36,410	979,332	37,010	1,035,297	4,120,655
2221D 00	Plain weave, except pile.....	29,248	787,176	28,965	834,792	3,304,434
2221E 00	Twill weave, except pile.....	3,725	123,505	4,321	128,276	519,069
2221F 00	All other weaves, except pile.....	3,437	68,651	3,724	72,229	297,152
2221G 00	Spun/filament yarn combinations.....	(D)	(D)	(D)	(D)	(D)
2221H 10	Pile fabrics.....	781	12,346	824	13,997	55,916
2221H 2X	All other chiefly manmade fiber fabrics, including chiefly manmade fiber blends with wool.....	(D)	(D)	(D)	(D)	(D)
2221H 31	Silk fabrics.....	136	314	139	316	1,476
	Woolen and worsted fabrics.....	1,838	36,311	1,977	39,094	171,769

• (D) Data withheld to avoid disclosing figures for individual companies.

Table 3. SUMMARY OF PRODUCTION OF BROADWOVEN FABRIC BY TEXTILE CATEGORY

(Thousands of square yards)

Product description	Production during quarter		Production year-to-date
	Fourth quarter 1989	Third quarter 1989	
Blue denim.....	179,391	179,254	708,977
All other yarn dyed fabric.....	122,681	129,198	513,397
Plain weave.....	32,173	33,112	131,056
Twill weave.....	26,676	29,218	115,664
All other weave.....	63,832	66,868	266,677
Cheesecloth and batistes.....	321,623	321,561	1,335,867
Duck.....	(D)	(D)	(D)
Oxfords.....	20,274	21,013	74,697
Pile fabrics.....	131,809	142,657	574,662
Special weave fabric.....	86,342	96,730	375,728
Other fabrics, chiefly cotton fiber:			
Print cloth.....	95,147	87,470	366,764
Poplin and broadcloth.....	31,903	39,774	154,119
Sheeting.....	150,258	156,108	656,039
Twill.....	83,809	99,930	366,072
Sateens.....	13,722	13,974	46,088
Other fabrics, chiefly manmade fiber:			
Manmade/wool blends.....	(D)	(D)	(D)
85 percent or more filament yarn fabrics:			
Typewriter fabric.....	23,217	21,096	94,973
Other nylon.....	115,738	110,737	441,556
Rayon and acetate.....	168,669	178,431	719,185
Polyester.....	157,541	179,403	740,399
Glass fiber.....	71,233	80,845	328,526
All other.....	867,612	722,799	3,148,264
85 percent or more spun yarn fabrics:			
Print cloth.....	186,265	198,016	788,617
Poplin and broadcloth.....	146,500	163,331	715,911
Sheeting.....	378,334	389,037	1,468,862
Twill and sateens.....	128,852	132,559	543,977
Spun filament combinations except blue denim:			
Print cloth.....	84,763	80,923	331,681
Poplin and broadcloth.....	42,385	43,478	170,812
Sheeting.....	37,295	38,514	156,812
Twill and sateens.....	25,194	29,258	118,125
Other.....	87,627	85,741	340,736
Wool fabrics.....	36,311	39,094	171,769
Silk fabrics.....	314	316	1,476

• (D) Data withheld to avoid disclosing figures for individual companies.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1989		Third quarter 1989	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
2211B 02	Tobacco, cheese, and bandage cloth.....	4,964	326,419	5,284	325,295
2221D 04	More than 50 percent cotton.....	4,445	269,728	4,791	264,567
2221D 08	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221D 08	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2211G 04	Spun-filament combinations.....	(D)	(D)	(D)	(D)
2211B 12	Print cloth.....	17,175	366,175	17,803	366,409
2221D 14	More than 50 percent cotton.....	5,845	95,147	6,685	87,470
2221D 16	Chiefly spun polyester mixed with cotton.....	6,342	143,047	6,132	150,707
2221D 18	Chiefly spun polyester mixed with rayon.....	2,825	32,943	2,671	39,954
2221D 18	All other fabrics, 85 percent or more spun yarn.....	458	10,275	288	7,355
2221G 07	Spun/filament combinations.....	1,705	84,763	2,027	80,923
2211B 22	Poplin and broadcloth.....	7,986	246,591	8,953	273,644
2211B 26	More than 50 percent cotton.....	1,617	40,570	2,061	49,278
2211B 26	Weighting 5.9 ounces or less per square yard.....	1,430	31,030	1,726	37,905
2211B 32	Carded.....	852	14,139	866	15,289
2211B 36	Combed.....	578	16,891	860	22,616
2211B 36	Weighting more than 5.9 ounces per square yard.....	187	9,540	335	11,373
2221D 24	Carded.....	(D)	(D)	(D)	(D)
2221D 26	Combed.....	(D)	(D)	(D)	(D)
2221D 28	Chiefly spun polyester mixed with cotton.....	4,504	138,540	5,232	159,865
2221D 32	Weighting 5.0 ounces or less per square yard.....	4,245	123,906	4,911	144,930
2221D 34	Carded.....	2,773	74,867	3,466	94,696
2221D 36	Combed.....	1,472	49,039	1,445	50,234
2221D 36	Weighting more than 5.0 ounces per square yard.....	259	14,634	321	14,935
2221D 36	Carded.....	123	6,331	144	4,159
2221D 36	Combed.....	136	8,303	177	10,776
2221D 36	All other fabrics, 85 percent or more spun yarn.....	1,112	25,096	802	21,023
2221G 19	Spun/filament combinations.....	753	42,385	858	43,478
2211B 42	Lawns, voiles, and batistes.....	669	8,874	849	9,578
2221D 43	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221D 44	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221D 44	All other fabrics, 85 percent or more spun yarn.....	-	-	-	-
2221G 21	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211B 72	Duck, including taped warp duck.....	744	15,409	822	19,056
2221D 88	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221D 92	Chiefly spun polyester mixed with cotton.....	167	2,735	195	3,265
2221G 77	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2221G 77	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211B 51	Bedsheeting.....	14,506	425,427	14,109	438,197
2221D 51	More than 50 percent cotton.....	3,330	87,284	3,232	88,122
2221D 51	Chiefly spun polyester mixed with cotton.....	10,686	306,466	10,342	317,541
2221D 53	Carded.....	1,766	73,167	1,746	79,919
2221D 55	Combed.....	8,920	233,299	8,596	237,622
2221G 33	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2221G 33	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211B 62	All other sheeting, including osnaburgs.....	4,790	146,830	5,164	151,513
2221D 62	More than 50 percent cotton.....	2,679	66,793	2,920	70,401
2221D 62	Weighting 5.9 ounces or less per square yard.....	2,226	45,602	2,252	44,885
2221D 62	Weighting more than 5.9 ounces per square yard.....	453	21,191	668	25,516
2211B 64	Blanketing.....	<sup>a</sup> 10,540	<sup>b</sup> 10,540	<sup>a</sup> 206	<sup>b</sup> 11,212
2211B 66	All other fabric.....	273	10,651	464	14,304
2221D 64	85 percent or more spun polyester.....	315	10,931	341	10,075
2221D 66	Blanketing.....	(D)	(D)	(D)	(D)
2221D 66	All other fabric.....	(D)	(D)	(D)	(D)
2221D 74	Chiefly spun polyester mixed with cotton.....	827	34,838	1,065	36,233
2221D 76	Weighting 5.0 ounces or less per square yard.....	678	<sup>a</sup> 32,072	904	<sup>a</sup> 32,982
2221D 76	Weighting more than 5.0 ounces per square yard.....	149	<sup>a</sup> 2,766	<sup>a</sup> 159	<sup>a</sup> 3,251
2221D 82	Chiefly spun acrylic.....	120	8,342	270	13,553
2221D 84	Blanketing.....	(D)	(D)	(D)	(D)
2221D 86	All other fabric.....	(D)	(D)	(D)	(D)
2221G 45	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2221G 45	Spun/filament combinations.....	(D)	(D)	(D)	(D)

See footnotes at end of table.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS--Continued

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1989		Third quarter 1989	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Blue denim.....	3,167	179,391	3,289	179,254
	More than 50 percent cotton.....	3,138	177,523	3,254	177,336
2211C 01	Weighing 10.7 ounces or less per square yard.....	432	20,977	463	25,397
2211C 03	Weighing more than 10.7 ounces per square yard.....	2,706	156,546	2,791	151,939
2221E 03	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221G 46	Spun/filament combinations.....	(D)	(D)	(D)	(D)
	All other denim.....	851	28,246	602	29,295
	More than 50 percent cotton.....	825	27,270	575	27,782
2211C 12	Weighing 10.7 ounces or less per square yard.....	95	4,552	82	3,358
2211C 14	Weighing more than 10.7 ounces per square yard.....	730	22,718	493	24,424
2221E 14	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221G 48	Spun filament combinations.....	(D)	(D)	(D)	(D)
2211C 22	Canton flannels.....	(D)	5,455	(D)	6,356
	All other twill weaves.....	6,651	213,467	7,823	236,079
	More than 50 percent cotton.....	2,551	77,034	2,920	93,686
2211C 32	Weighing 5.9 ounces or less per square yards.....	1,172	28,250	1,281	39,820
2211C 34	Weighing more than 5.9 ounces per square yard.....	1,379	48,784	1,639	53,866
2221E 22	85 percent or more spun polyester.....	120	2,840	203	6,358
	Chiefly spun polyester mixed with cotton.....	2,789	101,837	2,735	101,516
2221E 24	Weighing 5.0 ounces or less per square yard.....	615	12,733	613	14,194
2221E 26	Weighing more than 5.0 ounces per square yard.....	2,174	89,104	2,122	87,322
2221E 28	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2221G 39	Spun/filament combinations.....	(D)	(D)	(D)	(D)
	Sateens.....	1,220	31,085	1,327	33,209
2211D 05	More than 50 percent cotton.....	507	13,722	536	13,974
2211F 05	Chiefly spun polyester mixed with cotton.....	150	3,515	196	3,301
2221E 07	All other fabrics, 85 percent or more spun yarn.....	164	2,558	149	2,306
2221G 63	Spun/filament combinations.....	399	11,290	446	13,628
	Oxfords.....	1,048	51,491	1,115	53,466
2211D 12	More than 50 percent cotton.....	768	41,319	856	44,276
2221P 12	Chiefly spun polyester mixed with cotton.....	177	7,144	134	5,506
2221F 16	All other fabrics, 85 percent or more spun yarn.....	7	171	17	173
2221G 68	Spun/filament combinations.....	96	2,857	108	2,951
2211D 32	8irdseye diaper cloth.....	(D)	(D)	(D)	(D)
2211D 35	Huck and crash toweling.....	(D)	(D)	(D)	(D)
	Table damask.....	332	11,185	435	11,996
2211D 45	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221F 33	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221F 36	All other fabrics, 85 percent or more spun yarn.....	-	-	(D)	(D)
2221G 82	Spun/filament combinations.....	-	-	-	-
	Jacquard and dobby shirting fabrics.....	378	8,401	578	7,879
2211D 52	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221P 42	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221P 44	All other fabric, 85 percent or more spun yarn.....	-	-	-	-
2221G 84	Spun/filament combinations.....	(D)	(D)	(D)	(D)
	All other weaves.....	8,264	149,316	7,938	157,122
	More than 50 percent cotton.....	2,860	36,367	2,491	41,747
2211D 62	Weighing 5.9 ounces or less per square yard.....	1,314	19,931	1,196	19,997
2211D 64	Weighing more than 5.9 ounces per square yard.....	<sup>b</sup> 1,546	<sup>a</sup> 16,436	<sup>b</sup> 1,295	<sup>a</sup> 21,750
2221F 52	85 percent or more spun polyester.....	438	6,179	444	7,169
	Chiefly spun polyester mixed with cotton.....	946	12,163	1,009	13,785
2221P 54	Weighing 5.0 ounces or less per square yard.....	337	4,327	430	6,638
2221F 56	Weighing more than 5.0 ounces per square yard.....	609	7,836	579	7,147
2221F 58	All other fabrics, 85 percent or more spun yarn.....	1,145	25,960	1,265	27,674
2221G 87	Spun/filament combinations.....	2,875	68,647	<sup>r</sup> 2,729	<sup>r</sup> 66,747

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter 1989 report, MQ22T(89)-1, issued June 1989, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.



Table 5. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE FILAMENT YARN FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1989		Third quarter 1989	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	85 percent or more filament yarn fabrics.....	26,224	1,404,010	27,904	1,293,311
	High tenacity yarn fabrics.....	1,012	20,712	952	19,711
2221B 01	100 percent and chiefly rayon.....	468	5,076	472	4,971
2221C 01	100 percent and chiefly nylon.....	306	7,774	250	6,096
2221C 03	100 percent and chiefly polyester.....	238	7,862	230	8,644
	85 percent or more acetate or triacetate filament yarn fabrics.....	<sup>1</sup> 6,268	<sup>1</sup> 126,252	<sup>1</sup> 6,818	<sup>1</sup> 137,459
	Weighing not more than 5 ounces per square yard.....	<sup>1</sup> 5,273	<sup>1</sup> 111,656	<sup>1</sup> 5,758	<sup>1</sup> 122,825
2221B 21	Plain weaves.....	<sup>1</sup> 3,594	<sup>1</sup> 872,518	<sup>1</sup> 4,127	<sup>1</sup> 883,672
2221B 23	Other weaves.....	<sup>a</sup> 1,679	39,138	1,631	39,153
	Weighing more than 5 ounces per square yard.....	1995	14,596	1,060	14,634
2221B 25	Plain weaves.....	(D)	(D)	(D)	(D)
2221B 27	Other weaves.....	(D)	(D)	(D)	(D)
	85 percent or more rayon filament yarn fabrics.....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
2221B 41	Weighing not more than 5 ounces per square yard.....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
2221B 43	Weighing more than 5 ounces per square yard.....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
	Other chiefly rayon and/or acetate filament yarn fabrics.....	1,975	37,341	2,011	36,001
2221B 51	Weighing not more than 5 ounces per square yard.....	<sup>b</sup> 421	<sup>a</sup> 5,064	458	5,517
2221B 53	Weighing more than 5 ounces per square yard.....	<sup>a</sup> 1,554	<sup>a</sup> 32,277	<sup>a</sup> 1,553	<sup>a</sup> 30,484
	85 percent or more nylon filament yarn fabrics.....	4,717	126,993	4,855	122,708
2221C 11	Typewriter and other impression fabrics.....	696	23,217	696	21,906
	Other 85 percent or more nylon filament yarn fabrics.....	4,021	103,776	4,159	101,612
	Weighing not more than 5 ounces per square yard.....	3,154	90,684	3,211	86,546
2221C 13	Flat, non-textured.....	2,747	78,597	2,693	73,806
2221C 15	All other.....	407	12,087	518	12,740
	Weighing more than 5 ounces per square yard.....	867	13,092	948	15,066
2221C 23	Flat, non-textured.....	690	6,602	724	6,997
2221C 25	All other.....	177	6,490	224	8,069
	Other chiefly nylon filament fabrics.....	410	4,188	<sup>r</sup> 348	3,029
2221C 31	Weighing not more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)
2221C 33	Weighing more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)
	85 percent or more polyester filament yarn fabrics.....	5,464	147,015	<sup>r</sup> 6,201	167,537
	Textured.....	3,314	96,880	3,969	113,277
2221C 44	Weighing not more than 5 ounces per square yard <sup>2</sup> .....	2,035	45,547	2,306	45,717
2221C 43	Flat.....	(D)	(D)	(D)	(D)
2221C 45	Other.....	(D)	(D)	(D)	(D)
2221C 50	Weighing more than 5 ounces per square yard <sup>2</sup> .....	1,279	51,353	1,663	67,560
	Non-textured.....	2,150	50,135	<sup>r</sup> 2,232	<sup>r</sup> 54,260
2221C 62	Weighing not more than 5 ounces per square yard <sup>2</sup> .....	1,274	28,980	<sup>r</sup> 1,612	<sup>r</sup> 36,739
2221C 66	Weighing more than 5 ounces per square yard <sup>2</sup> .....	876	21,155	620	17,521
2221C 73	Other chiefly polyester filament fabrics.....	121	2,664	122	3,222
	Glass fiber fabrics.....	2,235	71,233	2,486	80,845
2221C 82	Woven roving and screening.....	<sup>a</sup> 69	3,953	<sup>a</sup> 72	3,915
2221C 89	All other glass fiber fabrics.....	2,166	67,280	2,414	76,930
	All other 85 percent or more filament yarn fabrics, including saran and olefin and fabrics obtained from strip, except rayon and/or acetate.....	4,022	867,612	4,111	722,799
2221C 91	Carpet backing.....	2,895	797,594	2,929	648,732
2221C 93	All other.....	<sup>a</sup> 1,127	<sup>a</sup> 70,018	<sup>a</sup> 1,182	<sup>a</sup> 74,067

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter 1989 report, MQ22T(89)-1, issued June 1989, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.

<sup>1</sup>Included with 85 percent or more acetate or triacetate filament yarn fabric to avoid disclosing figures for individual companies.  
<sup>2</sup>Classified on a finished weight basis.



Table 6. PRODUCTION AND LOOM ASSIGNMENT OF PILE FABRICS  
(INCLUDES YARN DYED FABRIC)

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1989		Third quarter 1989	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Pile fabrics.....	7,520	131,809	7,367	142,657
	Corduroy.....	1,384	18,699	1,287	17,421
	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2211E 01	Finewales and pinwales.....	844	8,336	735	7,636
2211E 03	Midwales.....	(D)	(D)	272	5,320
2211E 05	Thicksets.....	(D)	(D)	(D)	(D)
2211E 07	Widewales and other.....	259	4,397	269	3,985
2221H 01	Chiefly manmade fiber.....	(D)	(D)	(D)	(D)
	Velvets, plushes, and other pile fabrics.....	867	13,093	896	15,214
2211E 21	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221H 11	Chiefly manmade fiber.....	(D)	(D)	(D)	(D)
	Terry cloth and terry toweling.....	5,269	100,017	5,184	110,022
2211E 32	Terry toweling.....	5,109	95,852	5,076	106,897
2211E 34	Terry cloth.....	160	4,165	108	3,125

(D) Data withheld to avoid disclosing figures for individual companies.

Table 7. PRODUCTION AND LOOM ASSIGNMENT OF WOOLEN AND WORSTED FABRICS,  
INCLUDING CHIEFLY MANMADE/WOOL BLENDS AND CHIEFLY COTTON/WOOL BLENDS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1989		Third quarter 1989	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Woolen and worsted fabrics, 36 percent or more wool (except felts) <sup>1</sup> .....	1,838	36,311	1,977	39,094
	Apparel fabrics, including government orders.....	1,691	33,490	1,785	36,103
	Worsted fabrics.....	943	21,461	920	21,749
22312 01	Weighing not more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)
22312 02	Weighing more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)
	Woolen fabrics.....	748	12,029	865	14,354
22312 21	Weighing not more than 9 ounces per square yard.....	<sup>a</sup> 99	<sup>a</sup> 1,839	<sup>b</sup> 116	<sup>a</sup> 2,252
22312 23	Weighing more than 9 ounces per square yard.....	<sup>b</sup> 649	<sup>a</sup> 10,190	<sup>b</sup> 749	<sup>a</sup> 12,102
	Nonapparel fabrics, including government orders (except felts).....	147	2,821	192	<sup>c</sup> 2,991
22312 62	Blanketing, including thermal.....	22	707	26	767
22312 85	All other fabrics.....	<sup>b</sup> 125	<sup>a</sup> 2,114	166	<sup>c</sup> 2,224
22312 92	Woven felts (thousands of pounds).....	<sup>a</sup> 153	<sup>a</sup> 1,538	<sup>a</sup> 163	<sup>a</sup> 1,460
	Chiefly manmade/wool blend and chiefly cotton/wool blend fabrics.....	(D)	(D)	(D)	(D)
2221H 22	Chiefly spun polyester mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)
2221H 21	All other chiefly spun fibers mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)
2221H 92	Chiefly filament polyester mixed mainly or solely with wool or spun polyester/wool blends.....	(D)	(D)	(D)	(D)
2221H 98	All other chiefly filament yarn mixed mainly or solely with wool...	(D)	(D)	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter 1989 report, MQ22T(89)-1, issued June 1989, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. <sup>c</sup>Revised by 5 percent or more from previously published figures.

<sup>1</sup>Includes fabrics 36 percent or more wool or reprocessed wool by weight. 1986 and prior years include fabrics 50 percent or more wool or reprocessed wool by weight.



Table 8. PRODUCTION AND LOOM ASSIGNMENT OF UPHOLSTERY FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1989		Third quarter 1989	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Upholstery fabrics.....	4,504	88,130	4,344	89,123
	85 percent or more spun yarn and spin filament combinations.....	3,846	73,440	3,729	75,129
	Pile woven.....	1,129	18,327	1,148	19,884
2211E 41	All cotton and chiefly cotton.....	(S)	<sup>a</sup> 1,304	(S)	<sup>a</sup> 1,262
2221H 41	All manmade and chiefly manmade.....	748	<sup>a</sup> 17,023	767	<sup>a</sup> 18,622
	Flat woven.....	2,717	55,113	2,581	55,245
2211X 01	All cotton and chiefly cotton.....	<sup>a</sup> 677	17,536	647	16,714
	All manmade and chiefly manmade.....	2,040	37,577	1,934	38,531
2221X 01	Olefin.....	405	7,699	453	9,230
2221X 03	All other flat woven manmade fiber fabrics.....	<sup>b</sup> 1,635	<sup>a</sup> 29,878	<sup>a</sup> 1,481	29,301
	85 percent or more filament yarn.....	658	14,690	615	13,994
2221C 77	All polyester and chiefly polyester.....	<sup>b</sup> 174	<sup>b</sup> 3,687	<sup>b</sup> 179	<sup>b</sup> 3,605
2221C 78	All nylon and chiefly nylon.....	(D)	(D)	(D)	(D)
2221C 98	All olefin and chiefly olefin.....	<sup>b</sup> 303	<sup>b</sup> 7,442	<sup>b</sup> 307	<sup>b</sup> 7,866
2221C 99	All other filament fiber fabrics.....	(D)	(D)	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter 1989 report, MQ22T(89)-1, issued June 1989, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

These data are included in the data shown in tables 4, 5, and 6.

(D) Data withheld to avoid disclosing figures for individual companies. (S) Suppressed. Data did not meet publication standards of the Bureau of the Census.

Table 9. PRODUCTION OF TIRE CORD AND TIRE CORD FABRICS

(Thousands of pounds)

Product code	Product description	Production during quarter	
		Fourth quarter 1989	Third quarter 1989
22960 00	Tire cord and tire cord fabrics.....	163,672	172,048
22960 12	Cotton tire cord and tire cord fabrics.....	(D)	(D)
22960 32	Rayon tire cord and tire cord fabrics.....	(D)	(D)
22960 35	Nylon tire cord and tire cord fabrics.....	39,623	40,487
22960 37	Polyester tire cord and tire cord fabrics.....	44,419	46,014
22960 38	Glass tire cord and tire cord fabrics.....	278	364
22960 45	Steel tire cord.....	74,984	81,056
22960 51	All other tire cord and tire cord fabrics including chafer.....	3,316	2,958

(D) Data withheld to avoid disclosing figures for individual companies.

Table 10. LOOMS IN PLACE AND LOOM HOURS OPERATED IN BROADWOVEN FABRIC MILLS

Product description	Fourth quarter 1989		Third quarter 1989	
	Looms in place (number)	Thousands of loom hours operated	Looms in place (number)	Thousands of loom hours operated
Total.....	119,589	192,521	123,387	200,352
Shuttle type looms.....	55,044	83,779	58,938	89,536
Single shuttle cam looms.....	37,151	59,303	40,073	63,377
Single shuttle dobby looms.....	<sup>a</sup> 10,807	15,844	<sup>a</sup> 11,598	17,274
Multiple shuttle box or head motion looms.....	<sup>a</sup> 4,138	5,437	<sup>a</sup> 4,302	5,617
Double shuttle pile and plush, and jacquard looms.....	<sup>a</sup> 2,948	3,195	<sup>a</sup> 2,965	3,268
Shuttleless looms and weaving machines.....	64,545	108,742	64,449	110,816
Single filling insertion capability.....	38,170	66,929	37,922	67,236
Air jet looms.....	13,614	24,185	13,460	23,967
Water jet looms.....	6,223	9,655	6,236	10,349
Projectile looms.....	12,363	23,368	12,279	23,068
Rapier looms.....	5,970	9,721	5,947	9,852
Multiple filling insertion capability.....	25,755	41,101	25,907	42,806
Air jet looms.....	(D)	(D)	(D)	(D)
Water jet looms.....	(D)	(D)	(D)	(D)
Projectile looms.....	11,323	18,674	11,151	19,392
Rapier looms.....	<sup>a</sup> 11,888	<sup>a</sup> 18,258	<sup>a</sup> 12,219	<sup>a</sup> 19,114
Pile and plush looms.....	<sup>b</sup> 620	<sup>b</sup> 712	<sup>b</sup> 620	<sup>b</sup> 774

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter 1989 report, MQ22T(89)-1, issued June 1989, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies.



Table 11. PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF BROADWOVEN FABRICS: FOURTH QUARTER 1989

(Quantity in thousands of square yards; value in thousands of dollars)

Product description	Manufacturers' shipments <sup>1</sup> (quantity)	Imports for consumption <sup>2</sup>		Percent imports to manufacturers' shipments (quantity)	Exports of domestic merchandise <sup>4</sup>		Percent exports to manufacturers' shipments (quantity)	Apparent consumption <sup>5</sup>
		Quantity	Value <sup>3</sup>		Quantity	Value		
Cotton fabrics <sup>6</sup> .....	1,096,436	366,833	325,105	33.5	(NA)	(NA)	(NA)	(NA)
Cheesecloth and batistes.....	(D)	10,987	6,765	(D)	10,896	15,629	(D)	(D)
Print cloth.....	95,147	91,058	49,866	957	956	1,874	1.0	185,249
Poplin and broadcloth.....	31,903	53,543	43,178	167.8	3,241	5,925	10.2	82,206
Weighing 5.9 ounces or less per square yard.....	(D)	53,200	41,687	(D)	1,332	3,253	(D)	(D)
Weighing more than 5.9 ounces per square yard.....	(D)	344	1,491	(D)	1,909	2,672	(D)	(D)
Duck, including tape warp.....	(D)	18,382	17,512	(D)	1,605	3,734	(D)	(D)
Sheeting.....	150,258	100,821	70,705	67.1	3,479	6,755	2.3	247,600
Twills and sateens.....	97,531	47,594	49,718	48.8	2,232	4,881	2.3	142,893
Oxfords.....	13,086	941	2,450	7.2	(NA)	(NA)	(NA)	(NA)
All other constructions.....	47,835	11,604	14,526	24.3	5,703	14,347	11.9	53,736
Blue Denim.....	177,523	15,716	26,241	8.9	11,477	25,843	6.5	181,762
Yarn dyed fabric.....	85,385	15,480	40,473	18.1	3,538	6,522	4.1	97,327
Pile fabrics, including yarn dyed.....	119,463	706	3,671	0.6	2,635	6,703	2.2	117,534
Manmade fiber fabrics.....	2,688,161	149,876	417,939	5.6	(NA)	(NA)	(NA)	(NA)
85% or more filament yarn fabrics.....	1,404,010	71,452	125,294	5.1	(NA)	(NA)	(NA)	(NA)
Nylon and polyester high tenacity fabric.....	15,636	2,228	5,562	14.3	8,300	14,658	53.1	9,564
Rayon high tenacity fabric.....	5,076	625	915	12.3	420	994	8.3	5,281
Typewriter fabric.....	23,217	-	-	-	(NA)	(NA)	(NA)	(NA)
Rayon or acetate filament yarn fabrics.....	163,593	3,593	7,449	2.2	2,552	5,785	1.6	164,629
Polyester filament yarn fabric.....	149,679	45,702	82,569	30.5	9,808	13,765	6.6	185,574
Glass fiber fabric.....	71,233	6,722	7,936	9.4	(NA)	(NA)	(NA)	(NA)
Nylon filament yarn fabric.....	107,964	11,557	18,612	10.7	3,564	10,011	3.3	115,957
All other filament yarn fabric.....	867,612	827	1,973	(2)	5,879	11,378	0.7	862,560
85% or more spun yarn fabric.....	991,678	50,280	161,549	5.1	14,444	30,719	1.5	1,027,514
Cheesecloth and batistes.....	(D)	2,215	1,670	(D)	(NA)	(NA)	(NA)	(NA)
Poplin broadcloth.....	146,500	15,613	113,531	10.7	(NA)	(NA)	(NA)	(NA)
Polyester/cotton.....	125,569	14,631	111,846	11.7	(NA)	(NA)	(NA)	(NA)
Weighing 5.0 ounces or less per square yard.....	112,798	13,959	110,521	12.4	(NA)	(NA)	(NA)	(NA)
Weighing more than 5.0 ounces per square yard.....	12,771	672	1,325	5.3	(NA)	(NA)	(NA)	(NA)
All other spun yarns.....	20,931	982	1,685	4.7	(NA)	(NA)	(NA)	(NA)
Print cloth.....	186,265	11,556	5,208	6.2	(NA)	(NA)	(NA)	(NA)
Polyester/cotton.....	143,047	7,402	2,887	5.2	(NA)	(NA)	(NA)	(NA)
All other spun yarns.....	43,218	4,154	2,321	9.6	(NA)	(NA)	(NA)	(NA)
Duck.....	(D)	86	425	(D)	(NA)	(NA)	(NA)	(NA)
Sheeting.....	378,334	5,922	6,166	1.6	12,844	25,223	(NA)	(NA)
Polyester/cotton.....	(D)	5,222	3,725	(D)	(NA)	(NA)	(NA)	(NA)
Weighing 5.0 ounces or less per square yard.....	(D)	5,222	3,725	(D)	(NA)	(NA)	(NA)	(NA)
Weighing more than 5.0 ounces per square yard.....	(D)	700	2,441	(D)	(NA)	(NA)	(NA)	(NA)
All other spun yarn.....	(D)	700	2,441	(D)	(NA)	(NA)	(NA)	(NA)
Sateens or twills.....	128,852	6,267	9,318	4.9	(NA)	(NA)	(NA)	(NA)
Oxford.....	7,188	10	20	(2)	(NA)	(NA)	(NA)	(NA)
All other spun manmade fiber fabrics.....	38,507	2,011	6,197	5.2	(NA)	(NA)	(NA)	(NA)
Yarn dyed fabric.....	37,296	5,876	14,926	15.8	(NA)	(NA)	(NA)	(NA)
Pile fabric.....	12,346	724	4,088	5.9	1,599	5,496	13.0	11,477
Spun/filament yarn combinations, including yarn dyed.....	(D)	17,729	37,443	(D)	8,454	22,038	(D)	(D)
Chiefly manmade/wool blends.....	(D)	3,646	14,635	(D)	(NA)	(NA)	(NA)	(NA)
Silk fabrics.....	314	6,769	79,018	2,155.8	305	2,416	97.2	6,771
Wool fabrics.....	36,311	5,094	59,245	14.0	452	2,365	1.2	40,957
Chiefly cotton fabrics blended with wool and other vegetable fibers and other vegetable fiber fabrics.....	(D)	30	213	(D)	2,271	6,737	(D)	(D)

Note: Fabric blends as shown in Current Industrial Reports Series MQ22T are reported based on the chief weight of the fiber whereas fabric blends as shown for imports and exports are based on the chief value of the fiber.

<sup>1</sup> - Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. (NA) Not available. (Z) Less than one-half of one percent.

<sup>2</sup> Represents production of gray broadwoven fabrics; import and export data represent gray as well as finished broadwoven fabrics. For a comparison of Standard Industrial Classification (SIC) based product codes with Schedule B export numbers and HTSUSA import numbers, see table 12 in the second quarter 1989 report, MQ22T(89)-2, issued October 1989.

<sup>3</sup> Source: Bureau of the Census Report IM 145, U.S. Imports for Consumption.

<sup>4</sup> Source: Bureau of the Census Report EM 522, U.S. Exports.

<sup>5</sup> This dollar value represents the c.i.f. (cost, insurance, and freight) at the first port of entry in the United States plus calculated import duty.

<sup>6</sup> Apparent consumption represents new domestic supply and is derived by subtracting exports from the total manufacturers' shipments plus imports.

<sup>7</sup> Includes all cotton and chiefly cotton mixed with manmade fiber.



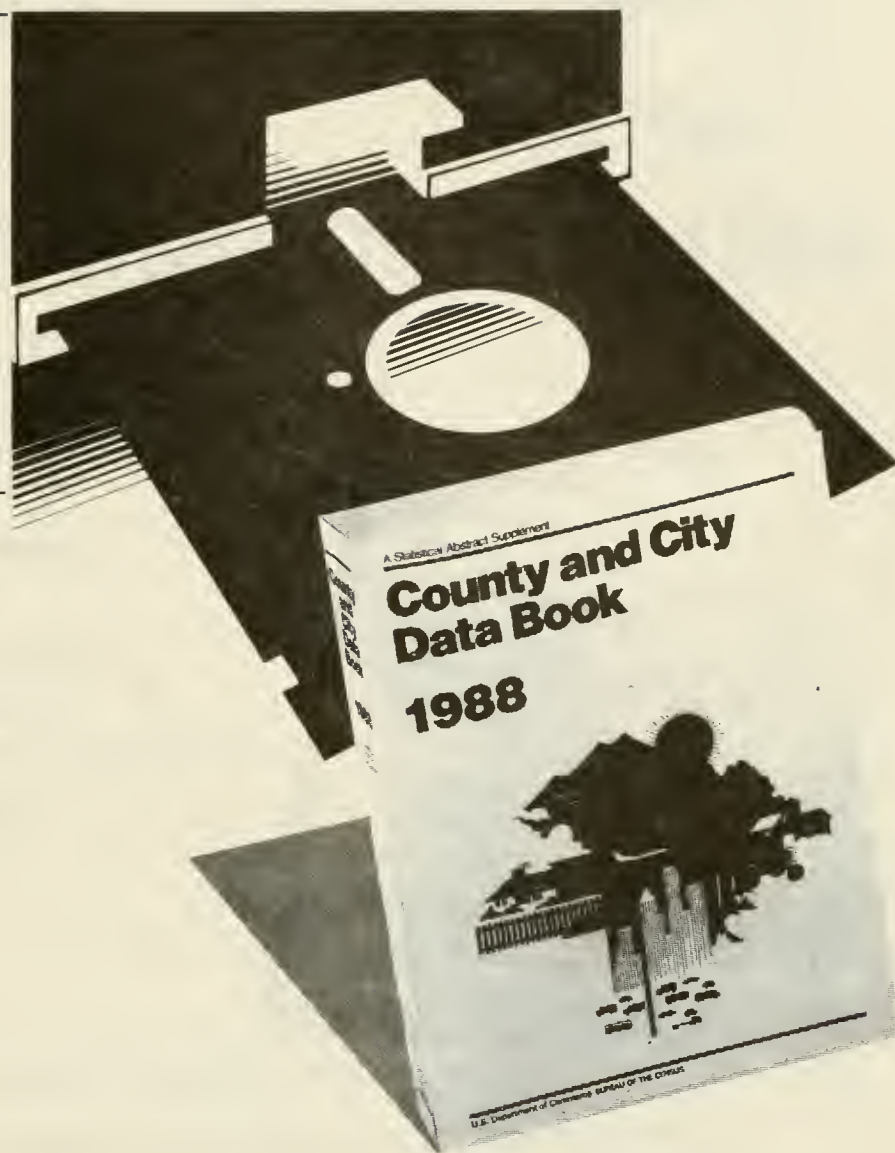
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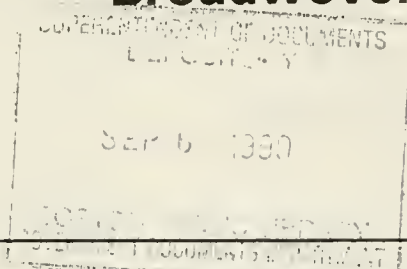






U.S. Department of Commerce  
BUREAU OF THE CENSUS

## Broadwoven Fabrics (Gray)



## SUMMARY FOR 1989

MQ22T(89)-5  
Issued July 1990

## SUMMARY OF FINDINGS

Production of cotton broadwoven goods decreased by 1 percent in 1989 from 4,631.6 million square yards in 1988 to 4,589.1 million square yards in 1989.

Production of manmade fiber fabrics decreased 3.7 percent in 1989 from 11,369.2 million square yards in 1988 to 10,962.8 million square yards in 1989. Production of 85 percent or more filament yarn fabrics increased

by 1.1 percent, and production of 85 percent or more spun yarn fabrics decreased by 6.8 percent.

Production of woolen and worsted fabrics decreased from 190.5 million square yards in 1988 to 176.4 million square yards in 1989.

A description of the survey methodology and related information appears on page 14.

Table 1. SUMMARY OF PRODUCTION OF BROADWOVEN GRAY FABRICS, BY TYPE OF FABRIC: 1985 TO 1989

(Millions of square yards)

Year	Chiefly cotton fabrics	Manmade fiber fabrics, including silk and manmade/wool blends	Chiefly wool fabric	Tire cord and tire cord fabrics
1989				
Fourth quarter.....	1,105.8	2,714.6	37.0	161.4
Third quarter.....	1,134.3	2,670.0	40.1	172.0
Second quarter.....	1,191.8	2,782.2	50.9	179.3
First quarter.....	1,157.2	2,796.0	48.3	175.7
1988				
Fourth quarter.....	1,052.3	2,847.7	43.9	168.9
Third quarter.....	1,072.2	2,735.6	43.0	169.5
Second quarter.....	1,255.0	2,877.6	53.0	157.7
First quarter.....	1,252.1	2,908.8	50.6	153.8
1987				
Fourth quarter.....	1,178.2	2,945.9	40.9	126.8
Third quarter.....	1,219.1	2,787.7	36.0	122.1
Second quarter.....	1,216.9	2,764.0	45.9	121.9
First quarter.....	1,158.0	2,736.7	46.0	124.5
1986				
Fourth quarter.....	1,129.3	2,785.4	30.2	116.0
Third quarter.....	1,095.2	2,561.5	27.8	105.9
Second quarter.....	1,102.6	2,659.8	41.2	108.8
First quarter.....	1,037.0	2,757.5	40.2	112.8
1985				
Fourth quarter.....	955.4	2,696.4	34.0	112.2
Third quarter.....	933.0	2,652.6	24.3	107.9
Second quarter.....	1,001.7	2,685.7	39.5	129.5
First quarter.....	1,030.3	2,761.9	40.6	145.9

<sup>r</sup>Revised by 5 percent or more from previously published figures.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Cynthia DiPardo, (301) 763-4476.

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Table 2. SUMMARY OF PRODUCTION AND LOOM ASSIGNMENTS OF BROADWOVEN GRAY FABRICS: 1989

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Looms operating end of year	Production				
			Total	First quarter	Second quarter	Third quarter	Fourth quarter
	Cotton and chiefly cotton fabrics mixed mainly or solely with manmade fibers.....	37,775	4,589,085	1,157,200	1,191,795	1,134,270	1,105,820
2211B 00	Plain weaves.....	18,548	2,383,758	638,860	604,971	568,943	570,984
2211C 00	Twill weaves.....	6,900	1,175,404	267,500	316,199	303,504	288,201
2211D 00	All other weaves except pile.....	5,265	508,203	119,620	129,391	132,427	126,765
2211E 00	Pile fabrics.....	6,742	521,720	131,220	141,234	129,396	119,870
	Chiefly cotton fabrics mixed mainly or solely with other than manmade fibers.....	(D)	(D)	(D)	(D)	(D)	(D)
	Manmade fiber and silk gray broadwoven fabrics.....	72,838	10,962,766	2,795,975	2,782,209	2,669,968	2,714,614
2221B 00	85 percent or more filament rayon and/or acetate fabrics.....	8,780	705,482	179,413	185,927	174,660	165,482
2221C 00	85 percent or more filament fabrics, except rayon and/or acetate.....	18,319	4,849,191	1,230,149	1,214,304	1,145,636	1,259,102
	85 percent or more spun yarn fabrics, except wool blends.....	37,197	4,138,366	1,060,090	1,056,378	1,038,754	983,144
2221D 00	Plain weave, except pile.....	29,891	3,315,270	851,446	837,659	836,579	789,586
2221E 00	Twill weave, except pile.....	3,746	519,190	131,394	136,030	128,270	123,490
2221F 00	All other weaves, except pile.....	3,560	303,906	77,250	82,689	73,899	70,068
2221G 00	Spun/filament yarn combinations.....	(D)	(D)	(D)	(D)	(D)	(D)
2221H 10	Pile fabrics.....	784	56,987	14,782	15,321	14,265	12,619
2221H 29	All other chiefly manmade fiber fabrics, including chiefly manmade fiber blends with wool...	(D)	(D)	(D)	(D)	(D)	(D)
2221H 28	Silk fabrics.....	136	1,471	414	432	316	309
	Woolen and worsted fabrics.....	1,885	176,350	48,318	50,941	40,050	37,041

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.

Table 3. PRODUCTION OF BROADWOVEN FABRIC BY TEXTILE CATEGORY: 1989

(Thousands of square yards)

Product description	Production				
	Total	First quarter	Second quarter	Third quarter	Fourth quarter
Blue denim.....	708,977	162,316	188,016	179,254	179,391
All other yarn dyed fabric.....	512,922	130,311	132,308	127,051	123,252
Plain weave.....	126,423	35,939	29,411	30,480	30,593
Twill weave.....	115,893	28,265	31,696	29,256	26,676
All other weaves.....	270,606	66,107	71,201	67,315	65,983
Cheesecloth and batistes.....	1,335,867	356,110	336,573	321,561	321,623
Duck.....	(D)	(D)	(D)	(D)	(D)
Oxfords.....	78,582	14,194	21,193	21,994	21,201
Pile fabrics.....	575,642	145,133	155,541	142,893	132,075
Special weave fabric.....	386,723	97,836	101,597	97,436	89,854
Other fabrics, chiefly cotton fiber:					
Print cloth.....	372,716	100,782	87,473	88,320	96,141
Poplin and broadcloth.....	151,223	41,836	38,762	39,245	31,380
Sheeting.....	654,639	177,085	170,312	154,405	152,837
Twill and sateens.....	362,869	79,916	99,989	98,236	84,728
Sateens.....	46,349	8,630	10,023	13,974	13,722
Other fabrics, chiefly manmade fiber:					
Manmade/wool blends.....	(D)	(D)	(D)	(D)	(D)
85 percent or more filament yarn fabrics:					
Typewriter fabric.....	94,973	25,725	24,935	21,096	23,217
Other nylon.....	441,765	107,380	107,790	110,744	115,851
Rayon and acetate.....	705,482	179,413	185,927	174,660	165,482
Polyester.....	727,533	194,182	195,939	179,637	157,775
Glass fiber.....	423,616	118,817	110,369	104,990	89,440
All other.....	3,161,304	784,045	775,271	729,169	872,819
85 percent or more spun yarn fabrics:					
Print cloth.....	789,874	212,230	193,363	198,016	186,265
Poplin and broadcloth.....	717,622	199,033	206,799	165,314	146,476
Sheeting.....	1,476,273	347,785	357,055	390,782	380,651
Twill and sateens.....	544,105	140,009	142,700	132,559	128,837
Spun filament combinations except blue denim:					
Print cloth.....	331,681	86,818	79,177	80,923	84,763
Poplin and broadcloth.....	175,159	38,492	48,581	44,588	43,498
Sheeting.....	156,812	39,931	41,072	38,514	37,295
Twill and sateens.....	118,125	33,798	29,875	29,258	25,194
Other.....	357,864	93,356	89,795	86,400	88,313
Wool fabrics.....	176,350	48,318	50,941	40,050	37,041
Silk fabrics.....	1,471	414	432	316	309

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS: 1989

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
	85 percent or more spun yarn, spun/filament combinations and chiefly cotton or manmade fibers.....	75,353	9,352,773	83,693	2,379,974	80,317	2,397,545	78,701	2,325,229	75,353	2,250,025
22118 02	Tobacco, cheese, and bandage cloth....	4,965	1,343,795	5,747	354,919	5,441	337,162	5,284	325,295	4,965	326,419
22210 04	More than 50 percent cotton.....	4,446	1,114,704	5,176	296,693	4,926	283,716	4,791	264,567	4,446	269,726
	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
22210 08	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211G 04	Spun/filament combinations.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Print cloth.....	17,309	1,494,271	19,185	399,830	18,004	360,013	17,925	367,259	17,309	367,169
22118 12	More than 50 percent cotton.....	5,976	372,716	6,991	100,782	6,644	87,473	6,807	88,320	5,976	96,141
22210 14	Chiefly spun polyester mixed with cotton.....	6,342	579,935	6,385	151,330	5,632	134,851	6,132	150,707	6,342	143,047
22210 16	Chiefly spun polyester mixed with rayon.....	2,827	172,621	3,309	51,610	3,319	48,114	2,671	39,954	2,827	32,943
22210 18	All other fabrics, 85 percent or more spun yarn.....	458	37,318	515	79,290	422	10,398	288	7,355	458	10,275
2221G 07	Spun/filament combinations.....	1,706	331,681	1,985	86,818	1,987	79,177	2,027	80,923	1,706	84,763
	Poplin and broadcloth.....	8,602	1,148,334	10,843	309,326	10,407	318,749	9,507	273,651	8,602	246,608
	More than 50 percent cotton.....	1,620	187,893	2,098	52,996	2,045	47,280	2,058	48,759	1,620	39,456
	Weighting 5.9 ounces or less per square yard.....	1,430	145,109	1,868	40,083	1,772	36,100	1,726	37,896	1,430	31,030
22118 22	Carded.....	852	65,488	1,110	20,060	846	16,009	866	15,280	852	14,139
22118 26	Combed.....	578	79,621	758	20,023	926	20,091	860	22,616	578	16,891
	Weighting more than 5.9 ounces per square yard.....	190	42,784	230	12,913	273	11,180	332	10,263	190	6,426
22118 32	Carded.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
22118 36	Combed.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Chiefly spun polyester mixed with cotton.....	4,507	695,481	6,355	199,339	6,099	197,737	5,232	159,865	4,507	138,540
	Weighting 5.0 ounces or less per square yard.....	4,247	608,556	5,501	170,495	5,469	169,225	4,911	144,930	4,247	123,906
22210 24	Carded.....	2,773	372,237	4,063	104,682	4,025	97,992	3,466	94,696	2,773	74,867
22210 26	Combed.....	1,474	236,319	1,638	65,813	1,444	71,233	1,445	50,234	1,474	49,039
	Weighting more than 5.0 ounces per square yard.....	260	86,925	854	28,844	630	28,512	321	14,935	260	14,634
22210 28	Carded.....	124	(D)	(D)	(D)	(D)	(D)	144	4,159	124	6,331
22210 32	Combed.....	136	(D)	(D)	(D)	(D)	(D)	177	10,776	136	6,303
	All other fabrics, 85 percent or more spun yarn.....	1,614	89,801	1,448	18,499	1,231	25,151	1,251	21,039	1,614	25,112
2221G 19	Spun/filament combinations.....	781	175,159	942	38,492	1,032	48,581	966	44,588	781	43,498
	Lawns, voiles, and batistes.....	669	42,324	854	12,330	722	11,542	849	9,578	669	6,874
22118 42	More than 50 percent cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
22210 43	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
22210 44	All other fabrics, 85 percent or more spun yarn.....	-	(D)	-	-	-	-	-	(D)	-	-
2221G 28	Spun/filament combinations.....	-	-	-	-	(D)	(D)	(D)	(D)	-	-
	Duck, including taped warp duck.....	815	84,299	997	22,463	959	24,867	905	20,028	815	16,941
22118 72	More than 50 percent cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
22210 88	Chiefly spun polyester mixed with cotton.....	167	12,977	207	3,982	159	2,995	195	3,265	167	2,735
22210 92	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 77	Spun/filament combinations.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Bedsheeting.....	14,505	1,712,920	14,666	417,574	13,983	428,180	14,109	438,197	14,505	428,969
22118 51	More than 50 percent cotton.....	3,330	368,966	3,626	92,800	3,488	97,223	3,232	68,122	3,330	90,821
	Chiefly spun polyester mixed with cotton.....	10,696	1,208,865	10,212	288,643	9,906	296,210	10,342	317,541	10,696	306,471
22210 51	Carded.....	1,766	315,769	1,709	76,740	1,826	85,943	1,746	79,919	1,766	73,167
22210 53	Combed.....	8,930	893,096	8,503	211,903	8,080	210,267	8,596	237,622	8,930	233,304
22210 55	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 33	Spun/filament combinations.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	All other sheeting, including oasaburgs.....	4,915	596,897	5,483	153,201	4,840	145,603	5,275	151,480	4,915	147,153
22118 62	More than 50 percent cotton.....	2,679	295,061	3,593	85,952	3,072	75,015	2,932	68,597	2,679	65,497
	Weighting 5.9 ounces or less per square yard.....	2,248	210,057	2,610	62,153	2,430	54,249	2,272	46,501	2,248	47,154
	Weighting more than 5.9 ounces per square yard.....	431	85,004	983	23,799	642	20,766	660	22,096	431	18,343
22118 64	Blanketing.....	168	35,498	500	10,739	161	8,836	206	8,184	168	7,739
22118 66	All other fabric.....	263	49,506	483	13,060	481	11,930	454	13,912	263	10,604
22210 64	85 percent or more spun polyester.....	318	37,840	254	7,283	266	9,551	338	10,075	318	10,931
22210 66	Blanketing.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	All other fabric.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Chiefly spun polyester mixed with cotton.....	832	133,804	882	32,412	792	29,979	1,057	36,536	832	34,877
22210 74	Weighting 5.0 ounces or less per square yard.....	668	115,355	707	27,771	641	25,443	888	31,484	668	30,657
22210 76	Weighting more than 5.0 ounces per square yard.....	164	18,449	175	4,641	151	4,536	169	5,052	164	4,220
	Chiefly spun acrylic.....	154	50,072	295	12,285	240	14,012	304	14,493	154	9,282
22210 82	Blanketing.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
22210 84	All other fabric.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
22210 86	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 45	Spun/filament combinations.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

See footnotes at end of table.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS: 1989--Continued

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
2211C 01	Blue denim.....	3,117	708,977	3,117	162,316	3,305	188,016	3,289	179,254	3,167	179,391
	More than 50 percent cotton.....	3,117	701,576	3,103	160,807	3,267	185,910	3,254	177,336	3,138	177,523
	Weighting 10.7 ounces or less per square yard.....	432	87,297	360	17,120	524	23,803	463	25,397	432	20,977
2211C 03	Weighting more than 10.7 ounces per square yard.....	2,706	614,279	2,823	143,687	2,743	162,107	2,791	151,939	2,706	156,546
2221E 03	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 46	Spun/filament combinations.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211C 12	All other denim.....	851	121,255	676	30,089	582	33,595	602	29,295	851	28,246
	More than 50 percent cotton.....	825	115,775	645	28,764	546	31,959	575	27,782	825	27,270
	Weighting 10.7 ounces or less per square yard.....	95	16,731	137	4,480	98	4,341	82	3,358	95	4,552
2211C 14	Weighting more than 10.7 ounces per square yard.....	730	99,044	508	24,284	448	27,618	493	24,424	730	22,718
2221E 14	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 48	Spun filament combinations.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211C 22	Canton flannels.....	(D)	23,026	(D)	5,853	(D)	5,362	(D)	6,356	(D)	5,455
2211C 32	All other twill weaves.....	6,635	916,050	7,977	222,262	8,522	244,994	7,763	234,423	6,635	214,371
	More than 50 percent cotton.....	2,514	335,027	2,661	72,076	3,208	92,968	2,860	92,030	2,514	77,953
	Weighting 5.9 ounces or less per square yard.....	1,206	111,972	911	18,705	1,242	24,210	1,221	39,063	1,206	29,994
2211C 34	Weighting more than 5.9 ounces per square yard.....	1,308	223,055	1,750	53,371	1,966	68,758	1,639	52,967	1,308	47,959
2221E 22	85 percent or more spun polyester... Chiefly spun polyester mixed with cotton.....	120	21,900	241	5,816	247	6,886	203	6,358	120	2,840
2221E 24	Weighting 5.0 ounces or less per square yard.....	2,790	413,021	2,977	104,202	2,866	105,466	2,735	101,516	2,790	101,837
2221E 26	Weighting more than 5.0 ounces per square yard.....	615	55,628	684	12,853	647	15,848	613	14,194	615	12,733
2221E 28	All other fabrics, 85 percent or more spun yarn.....	2,175	357,393	2,293	91,349	2,219	89,618	2,122	87,322	2,175	89,104
2221G 39	Spun/filament combinations.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211D 05	Sateens.....	1,216	127,105	1,540	32,472	1,381	30,339	1,327	33,209	1,216	31,085
2221F 05	More than 50 percent cotton.....	503	46,349	430	8,630	441	10,023	536	13,974	503	13,722
2221F 07	Chiefly spun polyester mixed with cotton.....	150	14,945	219	4,618	212	3,511	196	3,301	150	3,515
2221G 63	All other fabrics, 85 percent or more spun yarn.....	164	14,969	535	5,543	329	4,562	149	2,306	164	2,558
2221G 63	Spun/filament combinations.....	399	50,842	356	13,681	399	12,243	446	13,628	399	11,290
2211D 12	Oxfords.....	1,064	200,350	1,169	41,818	1,160	51,654	1,178	54,460	1,064	52,418
2221F 12	More than 50 percent cotton.....	785	157,623	761	30,445	832	39,662	919	45,270	785	42,246
2221F 16	Chiefly spun polyester mixed with cotton.....	177	25,101	148	5,038	162	7,413	134	5,506	177	7,144
2221G 68	All other fabrics, 85 percent or more spun yarn.....	6	1,804	20	454	17	446	17	233	6	171
2221G 68	Spun/filament combinations.....	96	15,822	240	5,881	149	4,133	108	2,951	96	2,857
2211D 31	Birdseye diaper cloth.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211D 35	Huck and crash toweling.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211D 45	Table damask.....	332	52,711	656	15,233	634	14,297	435	11,996	332	11,185
2221P 33	More than 50 percent cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221P 36	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 82	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 82	Spun/filament combinations.....	-	-	-	-	-	-	-	-	-	-
2211D 52	Jacquard and dobby shirting fabrics... More than 50 percent cotton.....	380	33,733	686	8,354	544	9,089	580	7,884	380	8,406
2221P 42	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221P 44	All other fabric, 85 percent or more spun yarn.....	-	(D)	(D)	(D)	-	-	-	-	-	-
2221G 84	Spun/filament combinations.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211D 62	All other weaves.....	8,715	651,101	8,641	167,346	8,487	169,179	8,395	158,916	8,715	155,660
2221P 52	More than 50 percent cotton.....	3,235	174,538	3,039	47,926	2,821	44,792	2,848	41,212	3,235	40,608
2211D 64	Weighting 5.9 ounces or less per square yard.....	1,319	79,937	1,084	20,606	1,055	20,129	1,226	19,919	1,319	19,283
2221P 54	Weighting more than 5.9 ounces per square yard.....	1,916	94,601	1,955	27,320	1,766	24,663	1,622	21,293	1,916	21,325
2221P 56	85 percent or more spun polyester... Chiefly spun polyester mixed with cotton.....	466	28,657	400	15,682	493	8,770	472	7,615	466	6,590
2221P 58	Weighting 5.0 ounces or less per square yard.....	951	55,520	933	12,969	1,162	16,586	1,015	13,777	951	12,188
2221P 58	Weighting more than 5.0 ounces per square yard.....	336	29,772	618	9,953	579	8,862	430	6,630	336	4,327
2221G 87	All other fabrics, 85 percent or more spun yarn.....	615	25,748	315	3,016	583	7,724	585	7,147	615	7,861
2221G 87	Spun/filament combinations.....	1,236	111,025	1,280	27,535	1,224	27,643	1,364	28,906	1,236	26,941
		2,827	281,361	2,989	73,234	2,787	71,388	2,696	67,406	2,827	69,333

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. <sup>c</sup>Revised by 5 percent or more from previously published figures.



Table 5. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE FILAMENT YARN FABRICS: 1989

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
	85 percent or more filament yarn fabrics.....	27,099	5,554,673	28,181	1,409,562	28,625	1,400,231	28,577	1,320,296	27,099	1,424,584
2221B 02	High tenacity yarn fabrics.....	1,033	85,929	1,027	22,928	1,040	22,398	973	19,801	1,033	20,802
2221C 02	100 percent and chiefly rayon.....	468	20,537	461	5,173	469	5,317	472	4,971	468	5,076
2221C 04	100 percent and chiefly nylon.....	327	32,414	342	8,899	346	9,465	271	6,186	327	7,864
	100 percent and chiefly polyester.....	238	32,978	224	8,856	225	7,616	230	8,644	238	7,862
	85 percent or more acetate or triacetate filament yarn fabrics.....	6,323	542,128	7,425	140,875	7,218	144,625	6,831	133,688	6,323	122,940
	Weighting not more than 5 ounces per square yard.....	5,322	482,821	6,234	127,135	6,129	128,229	5,758	119,051	5,322	106,406
2221B 21	Plain weave.....	3,649	312,960	4,094	78,008	4,326	85,796	4,127	79,898	3,649	69,258
2221B 23	Other weaves.....	1,673	169,861	2,140	49,127	1,803	42,433	1,631	39,153	1,673	39,148
	Weighting more than 5 ounces per square yard.....	1,001	59,307	1,191	13,740	1,089	16,396	1,073	14,637	1,001	14,534
2221B 25	Plain weave.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221B 27	Other weaves.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	85 percent or more rayon filament yarn fabrics.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
2221B 41	Weighting not more than 5 ounces per square yard.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
2221B 43	Weighting more than 5 ounces per square yard.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
	Other chiefly rayon and/or acetate filament yarn fabrics.....	1,989	142,817	1,755	33,365	1,917	35,985	2,011	36,001	1,989	37,466
2221B 51	Weighting not more than 5 ounces per square yard.....	435	18,636	236	2,710	411	5,220	458	5,517	435	5,189
2221B 53	Weighting more than 5 ounces per square yard.....	1,554	124,181	<sup>a</sup> 1,519	<sup>b</sup> 30,655	<sup>a</sup> 1,506	30,765	<sup>a</sup> 1,553	<sup>a</sup> 30,484	<sup>a</sup> 1,554	<sup>a</sup> 32,277
	85 percent or more nylon filament yarn fabrics.....	4,784	493,310	4,536	122,404	4,695	121,237	4,855	122,658	4,784	127,011
2221C 11	Typewriter and other impression fabrics.....	696	94,973	960	25,725	879	24,935	696	21,096	696	23,217
	Other 85 percent or more nylon filament yarn fabrics.....	4,088	398,337	3,576	96,679	3,816	96,302	4,159	101,562	4,088	103,794
	Weighting not more than 5 ounces per square yard.....	3,150	344,878	2,721	85,153	2,861	82,638	3,197	86,421	3,150	90,666
2221C 13	Flat, non-textured.....	2,747	300,359	2,440	76,591	2,490	71,365	2,693	73,806	2,747	78,597
2221C 15	All other.....	403	44,519	281	8,562	371	11,273	504	12,615	403	12,069
	Weighting more than 5 ounces per square yard.....	938	53,459	855	11,526	955	13,664	962	15,141	938	13,128
2221C 23	Flat, non-textured.....	761	28,030	732	6,695	796	7,586	738	7,072	761	6,638
2221C 25	All other.....	177	25,468	123	4,831	159	6,078	224	8,069	177	6,490
	Other chiefly nylon filament fabrics..	399	11,014	154	1,802	<sup>r</sup> 184	2,023	331	2,996	399	4,193
2221C 31	Weighting not more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221C 33	Weighting more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	85 percent or more polyester filament yarn fabrics.....	5,464	681,568	6,098	181,894	6,192	185,122	6,201	167,537	5,464	147,015
2221C 44	Textured.....	3,314	469,765	3,877	126,903	4,189	132,705	3,969	113,277	3,314	96,880
	Weighting not more than 5 ounces per square yard <sup>2</sup> .....	2,035	186,713	2,034	49,729	2,135	45,720	2,306	45,717	2,035	45,547
2221C 43	Flat.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221C 45	Other.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221C 50	Weighting more than 5 ounces per square yard <sup>2</sup> .....	1,279	283,052	<sup>r</sup> 1,843	<sup>r</sup> 77,174	2,054	<sup>r</sup> 86,985	1,663	67,560	1,279	51,333
	Non-textured.....	2,150	211,803	<sup>r</sup> 2,221	<sup>r</sup> 54,991	2,003	<sup>r</sup> 52,417	2,232	54,260	2,150	50,135
2221C 62	Weighting not more than 5 ounces per square yard <sup>2</sup> .....	1,274	137,849	<sup>r</sup> 1,491	<sup>r</sup> 37,555	1,378	<sup>r</sup> 34,575	1,612	36,739	1,274	28,980
2221C 66	Weighting more than 5 ounces per square yard <sup>2</sup> .....	876	73,954	730	17,436	625	17,842	620	17,521	876	21,155
2221C 73	Other chiefly polyester filament fabrics.....	181	12,987	<sup>a</sup> 191	<sup>a</sup> 3,432	191	3,201	182	3,456	181	2,898
	Glass fiber fabrics.....	<sup>r</sup> 2,831	423,616	2,929	<sup>r</sup> 118,817	3,044	<sup>r</sup> 110,369	<sup>r</sup> 3,041	<sup>r</sup> 104,990	<sup>r</sup> 2,831	<sup>r</sup> 89,440
2221C 82	Woven roving and screening.....	67	16,888	<sup>a</sup> 69	4,395	72	4,591	70	3,930	67	3,972
2221C 89	All other glass fiber fabrics.....	<sup>r</sup> 2,764	406,728	<sup>r</sup> 2,860	<sup>r</sup> 114,422	2,922	<sup>r</sup> 105,778	<sup>r</sup> 2,971	<sup>r</sup> 101,060	<sup>r</sup> 2,764	<sup>r</sup> 85,468
	All other 85 percent or more filament yarn fabrics, including saran and olefin and fabrics obtained from atrop, except rayon and/or acetate...	4,095	3,161,304	4,066	784,045	4,144	775,271	4,152	729,169	4,095	872,819
2221C 91	Carpet backing.....	<sup>a</sup> 2,923	2,868,395	2,870	711,953	2,930	698,258	2,945	655,145	<sup>a</sup> 2,923	803,039
2221C 93	All other.....	1,172	292,909	<sup>a</sup> 1,196	72,092	1,214	77,013	1,207	74,024	1,172	<sup>a</sup> 69,780

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" to the text for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.

<sup>1</sup>Included with 85 percent or more acetate or triacetate filament yarn fabric to avoid disclosing figures for individual companies.

<sup>2</sup>Classified on a finished weight basis.



Table 6. PRODUCTION AND LOOM ASSIGNMENT OF UPHOLSTERY FABRICS: 1989

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
	Upholstery fabrics.....	4,791	363,666	4,642	89,924	4,681	92,688	4,671	91,728	4,791	89,326
	55 percent or more spun yarn and spin filament combinations.....	4,095	305,076	3,953	74,295	4,018	76,103	4,018	77,379	4,095	75,299
2211E 41	Pile woven.....	1,148	82,398	1,176	21,538	1,189	21,920	1,167	20,249	1,148	18,691
2211H 41	All cotton and chiefly cotton....	(S)	5,955	<sup>b</sup> 363	<sup>a</sup> 1,542	(S)	1,757	(S)	<sup>a</sup> 1,307	(S)	<sup>a</sup> 1,349
	All manmade and chiefly manmade....	765	76,443	813	19,996	813	<sup>a</sup> 20,163	<sup>a</sup> 784	<sup>a</sup> 18,942	765	<sup>a</sup> 17,342
2211X 01	Flat woven.....	2,947	222,678	2,777	52,757	2,829	56,183	2,851	57,130	2,947	56,608
	All cotton and chiefly cotton.....	850	60,734	832	11,239	820	14,767	823	17,250	850	17,478
	All manmade and chiefly manmade....	2,097	161,944	2,145	41,518	2,009	41,416	2,028	39,880	2,097	39,130
2221X 01	Olefin.....	437	37,097	521	9,815	491	9,909	489	9,461	437	7,912
2221X 03	All other flat woven manmade fiber fabrics.....	1,660	124,847	1,624	31,703	1,518	31,507	1,539	30,419	1,660	31,218
	85 percent or more filament yarn.....	696	58,590	689	15,629	663	14,585	653	14,349	696	14,027
2221C 77	All polyester and chiefly polyester.	<sup>b</sup> 174	<sup>b</sup> 16,188	<sup>b</sup> 196	<sup>b</sup> 5,110	<sup>b</sup> 185	<sup>b</sup> 3,786	<sup>b</sup> 179	<sup>b</sup> 3,605	<sup>b</sup> 174	<sup>b</sup> 3,687
2221C 78	All nylon and chiefly nylon.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221C 98	All olefin and chiefly olefin.....	327	31,555	<sup>b</sup> 341	<sup>b</sup> 8,344	<sup>b</sup> 336	<sup>b</sup> 8,361	331	8,146	327	6,704
2221X 99	All other filament fiber fabrics....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

Note: These data are included in the data shown in tables 4, 5 and 8.

See footnotes at end of table 7.

Table 7. PRODUCTION AND LOOM ASSIGNMENT OF WOOLEN AND WORSTED FABRICS, INCLUDING CHIEFLY MANMADE/WOOL BLENDS AND CHIEFLY COTTON/WOOL BLENDS: 1989

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
	Woolen and worsted fabrics, 36 percent or more wool (except felts) <sup>1</sup> .....	1,885	176,350	2,223	48,318	2,262	50,941	2,001	40,050	1,885	37,041
	Apparel fabrics, including government orders.....	1,724	166,568	2,071	46,435	2,107	48,841	1,800	37,030	1,724	34,262
22312 01	Worsted fabrics.....	994	97,808	1,154	26,065	1,105	27,432	966	22,291	994	22,020
	Weighting not more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
22312 02	Weighting more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
22312 21	Woolen fabrics.....	730	68,760	917	20,370	1,002	21,409	834	14,739	730	12,242
	Weighting not more than 9 ounces per square yard.....	89	12,097	119	3,895	115	4,167	109	2,230	89	1,805
22312 23	Weighting more than 9 ounces per square yard.....	641	56,663	798	16,475	887	17,242	725	12,509	<sup>b</sup> 641	<sup>a</sup> 10,437
	Nonapparel fabrics, including government orders (except felts).....	161	9,782	152	1,883	155	2,100	201	3,020	161	2,779
22312 62	Blanketing, including thermal.....	25	2,702	23	603	<sup>b</sup> 27	600	29	782	25	717
22312 85	All other fabrics.....	136	7,080	<sup>a</sup> 129	1,280	<sup>a</sup> 128	1,500	172	2,238	136	2,062
22312 92	Woven felts (thousands of pounds).....	172	6,523	<sup>a</sup> 153	<sup>a</sup> 1,593	164	1,783	164	1,504	172	1,643
	Chiefly manmade/wool blend and chiefly cotton/wool blend fabrics.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221H 22	Chiefly spun polyester mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221H 32	All other chiefly spun fibers mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221H 92	Chiefly filament polyester mixed mainly or solely with wool or spun polyester/wool blends.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221H 94	All other chiefly filament yarn mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. Data did not meet publication standards of the Bureau of the Census.

<sup>c</sup>Revised by 5 percent or more from previously published figures.

(S) Suppressed.

<sup>1</sup>Includes fabrics 36 percent or more wool or reprocessed wool by weight. 1986 and prior years include fabrics 50 percent or more wool or reprocessed wool by weight.



Table 8. PRODUCTION AND LOOM ASSIGNMENT OF PILE FABRICS (INCLUDES YARN DYED FABRICS): 1989

(Looms operating in number; production<sup>1</sup> in thousands of square yards)

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
	Pile fabrics.....	7,526	578,707	7,908	146,002	7,648	156,555	7,392	143,661	7,526	132,489
	Corduroy.....	1,383	85,824	1,512	25,620	1,346	24,084	1,298	17,421	1,383	18,699
	More than 50 percent cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211E 01	Finewales and pinwales.....	843	36,617	793	10,361	741	10,284	735	7,636	843	8,336
2211E 03	Midwales.....	(D)	(D)	(D)	(D)	(D)	(D)	272	(D)	(D)	(D)
2211E 05	Thicksets.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211E 07	Midwales and other.....	259	21,875	305	8,195	292	5,298	280	3,985	259	4,397
2221H 01	Chiefly manmade fiber.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Velvets, plushes, and other pile fabrics.....	874	62,352	930	16,032	951	16,659	902	15,888	874	13,773
2211E 21	More than 50 percent cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221H 11	Chiefly manmade fiber.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Terry cloth and terry toweling.....	5,269	430,531	5,466	104,350	5,351	115,812	5,192	110,352	5,269	100,017
2211E 32	Terry toweling.....	5,109	414,780	5,341	100,586	5,196	111,115	5,084	107,227	5,109	95,852
2211E 34	Terry cloth.....	160	15,751	125	3,764	155	4,697	108	3,125	160	4,165

(D) Data withheld to avoid disclosing figures for individual companies.

Table 9. PRODUCTION OF TIRE CORD AND TIRE CORD FABRICS: 1989

(Thousands of pounds)

Product code	Product description	Production				
		Total	First quarter	Second quarter	Third quarter	Fourth quarter
22960 00	Tire cord and tire cord fabrics.....	688,413	175,707	179,263	172,048	161,395
22960 12	Cotton tire cord and tire cord fabrics.....	(D)	(D)	(D)	(D)	(D)
22960 32	Rayon tire cord and tire cord fabrics.....	(D)	(D)	(D)	(D)	(D)
22960 35	Nylon tire cord and tire cord fabrics.....	168,668	45,705	42,853	40,487	39,623
22960 37	Polyester tire cord and tire cord fabrics.....	186,357	46,019	50,085	46,014	44,419
22960 38	Glass tire cord and tire cord fabrics.....	1,920	652	626	364	278
22960 45	Steel tire cord.....	312,150	78,087	80,300	81,056	72,707
22960 51	All other tire cord and tire cord fabrics including chafer.....	13,877	3,900	3,703	2,958	3,316

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>F</sup>Revised by 5 percent or more from previously published figures.

Table 10. LOOMS IN PLACE AND LOOM HOURS OPERATED IN BROADWOVEN FABRIC MILLS: 1989

(Looms in place in number; loom hours in thousands)

Type of loom	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
	Looms in place Dec. 30, 1989	Loom hours operated	Looms in place	Loom hours operated	Looms in place	Loom hours operated	Looms in place	Loom hours operated	Looms in place	Loom hours operated
Total.....	121,418	823,475	129,967	213,103	126,798	216,156	124,965	200,933	121,418	193,283
Shuttle type looms.....	55,871	372,348	64,852	99,815	62,057	98,919	59,617	89,644	55,871	83,970
Single shuttle cam looms.....	37,996	263,839	44,663	70,119	42,644	69,846	40,897	63,989	37,996	59,885
Single shuttle dobby looms.....	10,698	70,264	12,450	19,083	11,867	19,071	11,423	16,719	10,698	15,391
Multiple shuttle box or head motion looms.....	4,270	24,576	4,627	6,933	4,560	6,448	4,394	5,691	4,270	5,504
Double shuttle pile and plush, and jacquard looms.....	2,907	13,669	3,112	3,680	2,986	3,554	2,903	3,245	2,907	3,190
Shuttleless looms and weaving machines..	65,547	451,127	65,115	113,288	64,741	117,237	65,348	111,289	65,547	109,313
Single filling insertion capability..	39,059	276,621	39,107	69,516	38,482	72,257	38,609	67,509	39,059	67,339
Air jet looms.....	14,321	96,883	13,308	23,262	13,723	25,169	14,002	24,117	14,321	24,335
Water jet looms.....	6,224	42,212	6,235	10,787	6,195	11,376	6,236	10,349	6,224	9,700
Projectile looms.....	12,402	95,943	12,892	24,458	12,328	24,993	12,294	23,075	12,402	23,417
Rapier looms.....	6,112	41,583	6,672	11,009	6,236	10,719	6,077	9,968	6,112	9,887
Multiple filling insertion capability.....	25,790	170,342	25,327	42,390	25,551	43,960	26,041	42,866	25,790	41,126
Air jet looms.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Water jet looms.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Projectile looms.....	11,298	77,167	11,016	19,004	11,076	20,207	11,121	19,333	11,298	18,623
Rapier looms.....	11,987	76,549	12,154	19,510	11,996	19,521	12,398	19,254	11,987	18,264
Pile and plush looms.....	<sup>F</sup> 698	4,164	<sup>F</sup> 681	<sup>F</sup> 1,382	<sup>F</sup> 708	<sup>F</sup> 1,020	<sup>F</sup> 698	<sup>F</sup> 914	<sup>F</sup> 698	<sup>F</sup> 848

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>F</sup>Revised by 5 percent or more from previously published figures.



Table 11. PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF BROADWOVEN FABRICS: 1989

(Quantity in thousands of square meters; value in thousands of dollars)

Product description	Manufacturers' shipments <sup>1</sup> (quantity)	Imports for consumption <sup>2</sup>		Percent imports to manufacturers' shipments (quantity)	Exports of domestic merchandise <sup>4</sup>		Percent exports to manufacturers' shipments (quantity)	Apparent consumption <sup>5</sup>
		Quantity	Value <sup>3</sup>		Quantity	Value		
Cotton fabrics <sup>6</sup> .....	4,589,085	1,322,186	1,185,695	29	(NA)	(NA)	(NA)	(NA)
Cheesecloth and batistes.....	(D)	37,993	23,160	(D)	44,710	62,707	(D)	(D)
Print cloth.....	372,716	278,244	145,143	75	3,121	5,446	1	647,839
Poplin and broadcloth.....	151,223	190,012	154,737	126	12,230	20,501	8	329,005
Weighing 5.9 ounces or less per square yard.....	(D)	188,951	150,111	(D)	5,411	11,104	(D)	(D)
Weighing more than 5.9 ounces per square yard.....	(D)	1,061	4,626	(D)	6,819	9,397	(D)	(D)
Duck, including tape warp.....	(D)	70,087	66,486	(D)	8,089	18,357	(D)	(D)
Sheeting.....	654,639	394,882	267,229	60	14,299	25,714	2	1,035,222
Twills and sateens.....	409,218	171,124	189,618	42	11,546	25,180	3	568,796
Oxfords.....	52,338	4,128	11,014	8	(NA)	(NA)	(NA)	(NA)
All other constructions.....	214,443	47,912	59,306	22	22,679	55,250	11	239,676
Blue Denim.....	701,576	56,895	89,398	8	40,063	83,127	6	718,408
Yarn dyed fabric.....	352,090	62,338	149,015	18	10,742	20,486	3	403,686
Pile fabrics, including yarn dyed.....	521,720	8,571	30,159	2	8,985	23,206	2	521,306
Manmade fiber fabrics.....	10,962,766	614,761	1,407,156	6	(NA)	(NA)	(NA)	(NA)
85% or more filament yarn fabrics.....	5,554,673	292,334	506,723	5	(NA)	(NA)	(NA)	(NA)
Nylon and polyester high tenacity fabric.....	65,392	10,092	22,918	15	26,487	48,211	41	48,997
Rayon high tenacity fabric.....	20,537	5,255	5,677	26	1,963	4,572	10	23,829
Typewriter fabric.....	94,973	310	501	(Z)	(NA)	(NA)	(NA)	(NA)
Rayon or acetate filament yarn fabrics.....	684,945	14,064	30,751	2	8,451	19,736	1	690,558
Polyester filament yarn fabric.....	694,555	192,178	355,997	28	42,065	60,407	6	844,668
Glass fiber fabric.....	423,616	32,016	33,916	8	(NA)	(NA)	(NA)	(NA)
Nylon filament yarn fabric.....	409,351	31,637	42,775	8	18,383	43,724	4	422,605
All other filament yarn fabric.....	3,161,304	6,782	14,188	(Z)	22,425	43,841	1	3,145,661
85% or more spun yarn fabric.....	4,195,353	182,641	334,948	4	58,191	120,126	1	4,319,803
Cheesecloth and batistes.....	(D)	6,251	5,264	(D)				
Poplin broadcloth.....	717,622	60,289	148,400	8				
Polyester/cotton.....	642,260	55,712	143,159	9				
Weighing 5.0 ounces or less per square yard.....	562,115	53,838	138,769	10				
Weighing more than 5.0 ounces per square yard.....	80,145	1,874	4,390	2				
All other spun yarns.....	75,362	4,577	5,241	6				
Print cloth.....	789,874	27,038	13,201	3				
Polyester/cotton.....	579,935	13,425	5,533	2				
All other spun yarns.....	209,939	13,613	7,668	6				
Duck.....	(D)	771	2,667	(D)				
Sheeting.....	1,476,273	17,012	18,358	1	50,286	9,442	(NA)	(NA)
Polyester/cotton.....	(D)	14,231	10,311	(D)				
Weighing 5.0 ounces or less per square yard.....	(D)							
Weighing more than 5.0 ounces per square yard.....	(D)	14,231	10,311	(D)				
All other spun yarn.....	(D)	2,781	8,047	(D)				
Sateens or twills.....	544,105	30,016	42,750	6				
Oxford.....	26,244	41	118	(Z)				
All other spun manmade fiber fabrics.....	172,280	9,793	28,289	6				
Yarn dyed fabric.....	160,832	27,945	66,585	17				
Pile fabrics.....	56,987	3,485	18,596	6	7,905	25,684	14	52,567
Spun/filament yarn combinations, including yarn dyed.....	(D)	71,198	140,762	(D)	30,687	77,612	(D)	(D)
Chiefly manmade/wool blends.....	(D)	41,265	130,490	(D)	(NA)	(NA)	(NA)	(NA)
Silk fabrics.....	1,471	27,323	294,233	1,857	1,014	7,819	69	27,780
Wool fabrics.....	176,350	26,013	290,888	15	3,721	19,191	2	198,642
Chiefly cotton fabrics blended with wool and other vegetable fibers and other vegetable fiber fabrics.....	(D)	991	3,552	(D)	7,494	22,366	(D)	(D)

Note: Fabric blends as shown in Current Industrial Reports Series MQ22T are reported based on the chief weight of the fiber whereas fabric blends as shown for imports and exports are based on the chief value of the fiber.

(D) Data withheld to avoid disclosing figures for individual companies. (NA) Not available. (Z) Less than one-half of one percent.

<sup>1</sup> Represents production of gray broadwoven fabrics; import and export data represent gray as well as finished broadwoven fabrics. For a comparison of Standard Industrial Classification (SIC) based product codes with Schedule B export numbers and NTSUSA import numbers, see table 12.

<sup>2</sup> Source: Bureau of the Census Report IM 145, U.S. Imports for Consumption.

<sup>3</sup> This dollar value represents the c.i.f. (cost, insurance, and freight) at the first port of entry in the United States plus calculated import duty.

<sup>4</sup> Source: Bureau of the Census Report EM 522, U.S. Exports.

<sup>5</sup> Apparent consumption represents new domestic supply and is derived by subtracting exports from the total manufacturers' shipments plus imports.

<sup>6</sup> Includes all cotton and chiefly cotton mixed with manmade fiber.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH  
SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1989

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
22118 02 22118 42	Cotton cheesecloth and batistes.....	5208.11.2090, 5208.11.4090 5208.11.6000, 5208.11.8090 5208.12.4090, 5208.12.6090 5208.12.8090, 5208.21.2090 5208.21.4090, 5208.21.6090 5208.22.4090, 5208.22.6090 5208.22.8090, 5208.31.4090 5208.31.6090, 5208.31.8090 5208.32.3090, 5208.32.4090 5208.32.5090, 5208.51.4090 5208.51.6090, 5208.51.8090 5208.52.3090, 5208.52.4090 5208.52.5090, 5210.11.4090 5210.11.6090, 5210.11.8090 5210.21.4090, 5210.21.6090 5210.21.8090, 5210.31.4090 5210.31.6090, 5210.31.8090 5210.51.4090, 5210.51.6090 5210.51.8090, 5211.51.0090	5208.11.2090, 5208.11.4090 5208.11.9000, 5208.12.4090 5208.12.6090, 5208.12.8090 5208.21.2090, 5208.21.4090 5208.21.6090, 5208.22.4090 5208.22.6090, 5208.22.8090 5208.31.4090, 5208.31.6090 5208.31.8090, 5208.32.3090 5208.32.4090, 5208.32.5090 5208.51.4090, 5208.51.6090 5208.51.8090, 5208.52.3090 5208.52.4090, 5208.52.5090 5210.11.4090, 5210.11.6090 5210.11.8090, 5210.21.4090 5210.21.6090, 5210.21.8090 5210.31.4090, 5210.31.6090 5210.31.8090, 5210.51.4090 5210.51.6090, 5210.51.8090 5211.11.0090, 5211.21.0090 5211.31.0090, 5211.41.0090 5211.51.0090
22118 12	Cotton print cloth.....	5208.11.4060, 5208.12.6060 5208.21.4060, 5208.22.6060 5208.31.6060, 5208.32.4060 5208.51.6060, 5208.52.4060 5210.11.6060, 5210.21.6060 5210.31.6060, 5210.51.6060	5208.11.4060, 5208.12.6060 5208.21.4060, 5208.22.6060 5208.31.6060, 5208.32.4060 5208.51.6060, 5208.52.4060 5210.11.6060, 5210.21.6060 5210.31.6060, 5210.51.6060
22118 22	Cotton poplin and broadcloth (5.9 ounces or less per square yard).....	5208.11.2020, 5208.11.4020 5208.11.8020, 5208.12.4020 5208.12.6020, 5208.12.8020 5208.21.2020, 5208.21.4020 5208.21.6020, 5208.22.4020 5208.22.6020, 5208.22.8020 5208.31.4020, 5208.31.6020 5208.31.8020, 5208.32.3020 5208.32.4020, 5208.32.5020 5208.51.4020, 5208.51.6020 5208.51.8020, 5208.52.3020 5208.52.4020, 5208.52.5020 5210.11.4020, 5210.11.6020 5210.11.8020, 5210.21.4020 5210.21.6020, 5208.21.8020 5210.31.4020, 5210.31.6020 5210.31.8020, 5210.51.4020 5210.51.6020, 5210.51.8020	5208.11.2020, 5208.11.4020 5208.11.8020, 5208.12.4020 5208.12.6020, 5208.12.8020 5208.21.2020, 5208.21.4020 5208.21.6020, 5208.22.4020 5208.22.6020, 5208.22.8020 5208.31.4020, 5208.31.6020 5208.31.8020, 5208.32.3020 5208.32.4020, 5208.32.5020 5208.51.4020, 5208.51.6020 5208.51.8020, 5208.52.3020 5208.52.4020, 5208.52.5020 5210.11.4020, 5210.11.6020 5210.11.8020, 5210.21.4020 5210.21.6020, 5208.21.8020 5210.31.4020, 5210.31.6020 5210.31.8020, 5210.51.4020 5210.51.6020, 5210.51.8020
22118 32 22118 36	Cotton poplin and broadcloth (more than 5.9 ounces per square yrd).....	5209.11.0020, 5209.21.0020 5209.31.6020, 5209.51.6020 5211.11.0020, 5211.21.0020 5211.31.0020, 5211.51.0020	5209.11.0020, 5209.21.0020 5209.31.6020, 5209.51.6020 5211.11.0020, 5211.21.0020 5211.31.0020, 5211.51.0020
22118 71	Cotton duck.....	5209.11.0090, 5209.19.0060 5209.21.0090, 5209.29.0060 5209.31.6090, 5209.39.0060 5209.51.6090, 5209.59.0060 5211.11.0090, 5211.19.0060 5211.21.0090, 5211.29.0060 5211.31.0090, 5211.39.0060 5211.51.0090, 5211.59.0060	5209.11.0090, 5209.21.0090 5209.31.6090, 5209.51.6090 5211.11.0090, 5211.21.0090 5211.31.0090, 5211.51.0090
22118 51 22118 62 22118 64 22118 66	Cotton sheeting.....	5208.11.2040, 5208.11.4040 5208.12.4040, 5208.12.6040 5208.21.2040, 5208.21.4040 5208.22.4040, 5208.22.6040 5208.31.4040, 5208.31.6040 5208.32.3040, 5208.32.4040 5208.51.4040, 5208.51.6040 5208.52.3040, 5208.52.4040 5209.11.0030, 5209.11.0050 5209.21.0030, 5209.21.0050 5209.31.6030, 5209.31.6050 5209.51.6030, 5209.51.6050 5210.11.4040, 5210.11.6040 5210.21.4040, 5210.21.6040 5210.31.4040, 5210.31.6040 5210.51.4040, 5210.51.6040 5211.11.0030, 5211.11.0050 5211.21.0030, 5211.21.0050 5211.31.0030, 5211.31.0050 5211.51.0030, 5211.51.0050	5208.11.2040, 5208.11.4040 5208.12.4040, 5208.12.6040 5208.21.2040, 5208.21.4040 5208.22.4040, 5208.22.6040 5208.31.4040, 5208.31.6040 5208.32.4040, 5208.32.6040 5208.51.4040, 5208.51.6040 5208.52.4040, 5208.52.6040 5209.11.0040, 5209.21.0040 5209.31.6040, 5209.51.6040 5210.11.4040, 5210.11.6040 5210.21.4040, 5210.21.6040 5210.31.4040, 5210.31.6040 5210.51.4040, 5210.51.6040 5211.11.0040, 5211.21.0040 5211.31.0040, 5211.51.0040

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH  
SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1989--Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2211C 12	Cotton twills and sateens.....	5208.13.0000, 5208.19.2020	5208.13.0000, 5208.19.2000 5208.23.0000, 5208.29.2000 5208.33.0000, 5208.39.2000 5208.53.0000, 5208.59.2000 5209.12.0000, 5209.19.0030 5209.22.0000, 5209.29.0030 5209.32.0000, 5209.39.0030 5209.52.0000, 5209.59.0030 5210.12.0000, 5210.19.2000 5210.22.0000, 5210.29.2000 5210.32.0000, 5210.39.2000 5211.12.0000, 5211.19.0030 5211.22.0000, 5211.29.0030 5211.32.0000, 5211.39.0030 5211.52.0000, 5211.59.0030
2211C 22		5208.19.2090, 5208.23.0000	
2211C 32		5208.29.2020, 5208.29.2090	
2211C 34		5208.33.0000, 5208.39.2020	
2211C 05		5208.39.2090, 5208.53.0000	
		5208.59.2020, 5208.59.2090	
		5209.12.0020, 5209.12.0040	
		5209.19.0020, 5209.19.0040	
		5209.22.0020, 5209.22.0040	
		5209.29.0020, 5209.29.0040	
		5209.32.0020, 5209.32.0040	
		5209.39.0020, 5209.39.0040	
		5209.52.0020, 5209.52.0040	
		5209.59.0020, 5209.59.0040	
		5210.12.0000, 5210.19.2020	
		5210.19.2090, 5210.22.0000	
		5210.29.2020, 5210.29.2090	
		5210.32.0000, 5210.39.2020	
		5210.39.2090, 5210.52.0000	
		5210.59.2020, 5210.59.2090	
		5211.12.0020, 5211.12.0040	
		5211.19.0020, 5211.19.0040	
		5211.22.0020, 5211.22.0040	
		5211.29.0020, 5211.29.0040	
		5211.32.0020, 5211.32.0040	
		5211.39.0020, 5211.39.0040	
		5211.52.0020, 5211.52.0040	
		5211.59.0020, 5211.59.0040	
2211C 01	Blue denim.....	5209.42.0020, 5211.42.0020	5209.42.0020, 5211.42.0020 5209.42.0040, 5211.42.0040
2211C 03		5209.42.0040, 5211.42.0040	
2211E 00	Pile fabrics (including yard dyed).....	5801.21.0000-5801.26.0020 5802.11.0000, 5802.19.0000 5802.20.0000, 5802.30.0020 5802.30.0030, 5802.30.0090	5801.21.0000-5801.26.0000 5802.11.0000-5802.30.9000
2211X XX	Cotton yarn dyed.....	5208.41.4000-5208.41.8000 5208.42.3000-5208.42.5000 5208.43.0000-5208.49.8090 5209.41.6020, 5209.41.6040 5209.43.0020-5209.49.0090 5210.41.4000-5210.49.8090 5211.41.0020, 5211.41.0040 5211.43.0020-5211.49.0090	5208.41.9000, 5208.42.9000 5208.43.0000, 5208.49.2000 5208.49.9000, 5209.41.6070 5209.43.0000, 5209.49.0000 5210.41.0000-5210.49.9000 5211.41.0000, 5211.43.0000 5211.49.0000
2211D 12	Cotton oxfords.....	5208.19.4020, 5208.19.6020 5208.19.8020, 5208.29.4020 5208.29.6020, 5208.29.8020 5208.39.4020, 5208.39.6020 5208.39.8020, 5208.59.4020 5208.59.6020, 5208.59.8020 5210.19.4020, 5210.19.6020 5210.19.8020, 5210.29.4020 5210.29.6020, 5210.29.8020 5210.39.4020, 5210.39.6020 5210.39.8020, 5210.59.4020 5210.59.6020, 5210.59.8020	5208.19.9000, 5208.29.9000 5208.39.9000, 5208.59.9000 5209.19.0070, 5209.29.0070 5209.39.0070, 5209.59.0070 5210.19.9000, 5210.29.9000 5210.39.9000, 5210.59.9000 5211.19.0070, 5211.29.0070 5211.39.0070, 5211.59.0070
2211D 32	All other constructions.....	5208.19.4090, 5208.19.6090	
2211D 35		5208.19.8090, 5208.29.4090	
2211D 45		5208.29.6090, 5208.29.8090	
2211D 52		5208.39.4090, 5208.39.6090	
2211D 62		5208.39.8090, 5208.59.4090	
2211D 64		5208.59.6090, 5208.59.8090	
		5209.19.0090, 5209.29.0090	
		5209.39.0080, 5209.39.0090	
		5209.59.0090, 5210.19.4090	
		5210.19.6090, 5210.19.8090	
		5210.29.4090, 5210.29.6090	
		5210.29.8090, 5210.39.4090	
		5210.39.6090, 5210.39.8090	
		5210.59.4090, 5210.59.6090	
		5210.59.8090, 5211.19.0090	
		5211.29.0090, 5211.39.0090	
		5211.59.0090	

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH  
SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1989--Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221C 01 2221C 03	Nylon and polyester high tenacity fabrics....	5407.10.0010, 5407.10.0090	5407.10.0000
2221B 01	Rayon high tenacity fabrics.....	5408.10.0000	5408.10.0000
2221C 11	Typewriter fabrics.....	5407.41.0010, 5407.41.0020	
2221C 13 2221C 15 2221C 23 2221C 25 2221C 31 2221C 33	Other nylon filament fabrics.....	5407.41.0030-5407.44.0060	5407.41.0000-5407.44.0000
2221B 21 2221B 23 2221B 25 2221B 27 2221B 41 2221B 43 2221B 51 2221B 53	Rayon and acetate filament yarn fabrics.....	5408.21.0030-5408.24.0060	5408.21.0000-5408.24.0000
2221C 43 2221C 44 2221C 45 2221C 50 2221C 62 2221C 66 2221C 73	Polyester filament yarn fabric.....	5407.51.0020, 5407.51.0040 5407.51.0060, 5407.52.2020 5407.52.2040, 5407.52.2060 5407.53.2020, 5407.53.2040 5407.53.2060, 5407.54.0020 5407.54.0040, 5407.54.0060 5407.60.2005, 5407.60.2010 5407.60.2015, 5407.60.2025 5407.60.2030, 5407.60.2035 5407.60.2045, 5407.60.2050 5407.60.2055, 5407.60.2065 5407.60.2070, 5407.60.2075	5407.51.0000, 5407.52.0000 5407.53.0000, 5407.54.0000
2221C 82 2221C 89	Glass fiber fabrics.....	7019.20.2000, 7019.20.5000	7019.20.4000
2221C 92 2221C 93	All other filament yarn fabrics.....	5407.71.0030-5407.74.0060	5407.71.0000-5407.74.0000
2221D 04 2221D 08 2221D 43 2221D 44	Chiefly manmade fiber cheesecloth, lawns, and batistes.....	5512.11.0040, 5512.19.0035 5512.21.0040, 5512.29.0030 5512.91.0040, 5512.99.0030 5513.11.0090, 5513.19.0040 5513.21.0090, 5513.29.0040 5513.41.0090, 5513.49.0040 5515.11.0030, 5515.19.0030 5515.29.0030, 5515.99.0030 5516.41.0040, 5516.42.0040 5516.44.0040, 5516.91.0040 5516.92.0040, 5516.94.0040	
2221D 24 2221D 26	Poplin and broadcloth poly/cotton (5.0 ounces or less per square yard).....	5513.11.0020, 5513.21.0020 5513.41.0020	
2221D 28 2221D 32	Poplin and broadcloth poly/cotton (over 5.0 ounces per square yard).....	5514.11.0020, 5514.21.0020 5514.41.0020	
2221D 34	Poplin and broadcloth, all other spun yarn...	5512.11.0010, 5512.19.0015 5512.21.0010, 5512.29.0015 5512.91.0010, 5512.99.0015 5513.19.0010, 5513.29.0010 5513.49.0010, 5514.19.0010 5514.29.0010, 5514.49.0010 5515.11.0015, 5515.19.0015 5515.29.0015, 5515.99.0015 5516.41.0010, 5516.42.0010 5516.44.0010, 5516.91.0010 5516.92.0010, 5516.94.0010	

See footnote at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH  
SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1989—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221D 14	Poly/cotton print cloth.....	5513.11.0060, 5513.21.0060 5513.41.0060	
2221D 16	Other spun yarn, chiefly manmade fiber		
2221D 18	print cloth.....	5512.11.0030, 5512.19.0030 5512.21.0030, 5512.29.0025 5512.91.0030, 5512.99.0025 5513.19.0030, 5513.29.0030 5513.49.0030, 5515.11.0025 5515.19.0025, 5515.29.0025 5515.99.0025, 5516.41.0030 5516.42.0030, 5516.44.0030 5516.91.0030, 5516.92.0030 5516.94.0030	
2221D 88	Duck.....		
2221D 92		5512.11.0050, 5512.19.0040 5512.21.0050, 5512.29.0035 5512.91.0050, 5512.99.0035 5514.11.0090, 5514.13.0040 5514.19.0030, 5514.21.0090 5514.23.0040, 5514.29.0030 5514.41.0090, 5514.43.0040 5514.49.0030, 5515.11.0035 5515.19.0035, 5515.29.0035 5515.99.0035, 5516.41.0050 5516.42.0050, 5516.44.0050 5516.91.0050, 5516.92.0050 5516.94.0050	
2221D 51	Poly-cotton sheeting.....		
2221D 53		5513.11.0040, 5513.21.0040	
2221D 74		5513.41.0040, 5514.11.0030	
2221D 76		5514.11.0050, 5514.21.0030 5514.21.0050, 5514.41.0030 5514.41.0050	
2221D 55	Other manmade fiber spun yarn sheeting.....		
2221D 64		5512.11.0022, 5512.11.0027	
2221D 66		5512.19.0022, 5512.19.0027	
2221D 82		5512.21.0020, 5512.29.0020	
2221D 84		5512.91.0020, 5512.99.0020	
2221D 86		5513.19.0020, 5513.29.0020	
		5513.49.0020, 5514.19.0020	
		5514.29.0020, 5514.49.0020	
		5515.11.0020, 5515.19.0020	
		5515.29.0020, 5515.99.0020	
		5516.41.0022, 5516.41.0027	
		5516.42.0022, 5516.42.0027	
		5516.44.0022, 5516.44.0027	
		5516.91.0020, 5516.92.0020	
		5516.94.0020	
2221E 03	Manmade fiber blue denim.....	5512.19.0010, 5512.29.0010	
2221G 46		5512.99.0010, 5514.32.0010	
		5514.39.0010, 5515.11.0010	
		5515.19.0010, 5515.29.0010	
		5515.99.0010, 5516.43.0010	
		5516.93.0010	
2221E 14	Twill and sateens.....		
2221E 22		5512.11.0060, 5512.19.0045	
2221E 24		5512.21.0060, 5512.29.0040	
2221E 26		5512.91.0060, 5512.99.0040	
2221E 28		5513.12.0000, 5513.13.0020	
2221P 05		5513.19.0050, 5513.22.0000	
2221P 07		5513.23.0020, 5513.29.0050	
		5513.32.0000, 5513.43.0020	
		5513.42.0000, 5513.49.0050	
		5514.12.0020, 5514.12.0040	
		5514.13.0020, 5514.19.0040	
		5514.22.0020, 5514.22.0040	
		5514.23.0020, 5514.29.0040	
		5514.42.0020, 5514.42.0040	
		5514.43.0020, 5514.49.0040	
		5515.11.0040, 5515.19.0040	
		5515.29.0040, 5515.99.0040	
		5516.11.0020, 5516.12.0020	
		5516.14.0020, 5516.41.0060	
		5516.42.0060, 5516.44.0060	
		5516.91.0060, 5516.92.0060	
		5516.94.0060	
2221P 12	Oxfords.....	5512.11.0070, 5512.19.0050	
2221P 16		5512.21.0070, 5512.29.0045	
		5512.91.0070, 5512.99.0045	
		5513.13.0040, 5513.19.0060	
		5513.23.0040, 5513.29.0060	
		5513.43.0040, 5513.49.0060	
		5515.11.0045, 5515.19.0045	
		5515.29.0045, 5515.99.0045	
		5516.41.0070, 5516.42.0070	
		5516.44.0070, 5516.91.0070	
		5516.92.0070, 5516.94.0070	

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH  
SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1989--Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221X XX	Manmade fiber yarn dyed.....	5512.19.0005, 5512.29.0005 5512.99.0005, 5513.31.0000-5513.39.0090 5514.31.0000, 5514.32.0090 5514.33.0010, 5514.33.0090 5514.39.0020, 5514.39.0090 5515.11.0005, 5515.19.0005 5515.29.0005, 5515.99.0005 5516.13.0000, 5516.43.0020-5516.43.0090 5516.93.0020, 5516.93.0090	
2221F 33	All other manmade fiber spun yarn.....	5512.11.0090, 5512.19.0090	
2221F 36		5512.21.0090, 5512.29.0090	
2221F 42		5512.91.0090, 5512.99.0090	
2221F 44		5513.13.0090, 5513.19.0090	
2221F 52		5513.23.0090, 5513.29.0090	
2221F 54		5513.43.0090, 5513.49.0090	
2221F 56		5514.13.0090, 5514.19.0090	
2221F 58		5514.23.0090, 5514.29.0090	
		5514.43.0090, 5514.49.0090	
		5515.11.0090, 5515.19.0090	
		5515.29.0090, 5515.99.0090	
		5516.41.0090, 5516.42.0090	
2221H 21	Manmade/wool blends, chiefly manmade.....	5516.44.0090, 5516.91.0090	
2221H 22		5516.92.0090, 5516.94.0090	
2221H 92		5407.91.1000, 5407.92.1000	
2221H 98		5407.93.1000, 5407.94.1000	
		5408.31.1000, 5408.32.1000	
		5408.33.1000, 5408.34.1000	
2221G 04	Spun/filament combinations.....	5515.13.1000, 5515.22.1000	
2221G 07		5515.92.1000, 5516.31.1000-5516.34.1000	
2221G 19		5407.81.0010-5407.84.0090	
2221G 21		5407.91.2020-5407.91.2090	
2221G 77		5407.92.2020-5407.92.2090	
2221G 33		5407.93.2020-5407.93.2090	
2221G 45		5407.94.2020-5407.94.2090	
2221G 48		5408.31.2020-5408.31.2090	
2221G 39		5408.32.9020-5408.32.9090	
2221G 63		5408.33.9020-5408.33.9090	
2221G 68		5408.34.9020-5408.34.9090	
2221G 82		5515.12.0010-5515.12.0090	
2221G 84		5515.21.0010-5515.21.0090	
2221G 87		5515.91.0010-5515.91.0090 5516.21.0010-5516.24.0090	5407.81.0000-5407.94.0000 5408.31.0000-5408.34.0000 5515.12.0000, 5515.21.0000 5515.91.0000, 5516.21.0000-5516.24.0000
2221H 01	Manmade fiber pile.....	5801.31.0000-5801.36.0020	5801.31.0000-5801.36.0000
2221H 11		5802.20.0020, 5802.30.0030	5802.20.0000, 5802.30.0000
2221H 31	Silk fabrics.....	5007.10.3020-5007.90.6090	5007.10.0000-5007.90.0000
22312 01	Wool fabrics.....	5111.11.6000-5112.90.6090	
22312 02		5212.11.1010, 5212.11.1020	
22312 21		5212.12.1010, 5212.12.1020	
22312 23		5212.13.1010, 5212.13.1020	
22312 62		5212.14.1010, 5212.14.1020	
22312 85		5212.15.1010, 5212.15.1020	
		5212.21.1010, 5212.21.1020	
		5212.22.1010, 5212.22.1020	
		5212.23.1010, 5212.23.1020	
		5212.24.1010, 5212.24.1020	
		5212.25.1010, 5212.25.1020	
		5407.91.0510, 5407.91.0520	
		5407.92.0510, 5407.92.0520	
		5407.93.0510, 5407.93.0520	
		5407.94.0510, 5407.94.0520	
		5408.31.0510, 5408.31.0520	
		5408.32.0510, 5408.32.0520	
		5408.33.0510, 5408.33.0520	
		5408.34.0510, 5408.34.0520	
		5515.13.0510, 5515.13.0520	
		5515.22.0510, 5515.22.0520	
		5515.92.0510, 5515.92.0520	
		5516.31.0510, 5516.31.0520	
		5516.32.0510, 5516.32.0520	
		5516.33.0510, 5516.33.0520	
		5516.34.0510, 5516.34.0520	
		5801.10.0000	

<sup>1</sup>Source: Harmonized Tariff Schedule of the United States, Annotated (1989).

<sup>2</sup>Source: 1989 edition, Harmonized System-Based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.



## DESCRIPTION OF SURVEY

**Scope of Survey.** This survey covers all companies manufacturing broadwoven fabrics (gray) in the United States, except very small firms (generally less than 5 employees) for which 1987 Census of Manufactures data were derived from administrative records of other Government agencies.

**Survey Methodology.** The statistics in this publication were collected by mail on Bureau of the Census quarterly Form MQ22T, Broadwoven Fabrics (Gray). The survey panel includes all known manufacturers of broadwoven fabrics (gray), except those very small firms excluded from the scope of the survey. Approximately 430 establishments are included.

Participation in the quarterly survey is voluntary. However, annual reports are required from those establishments that do not report quarterly. The annual summary includes revisions of quarterly data originally estimated (see "Reliability of Data" below) for establishments which only report annually.

**Reliability of Data.** Survey error may result from several sources: (1) inability to obtain information about all cases in the survey, (2) response errors, (3) definitional difficulties, (4) differences in the interpretation of questions, (5) mistakes in recording or coding the data obtained, and (6) other errors of collection, response, coverage, and estimation for missing data. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is due to imputing data for nonrespondents, for late reporters, and for data which failed the edit. Missing figures are imputed based on quarter-to-quarter movements shown by reporting firms. Imputation generally is limited to a maximum of 10 percent for any one data cell. Figures with imputation rates greater than 10 percent are footnoted.

The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse, because the actual quarterly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is not precisely known, but is assumed to be small. The degree of uncertainty regarding the accuracy of the published data, however, increases as the percentage of imputation increases. Figures with imputation rates above 25 percent should be used with caution.

**Revisions to Previous Period Data.** Statistics for previous quarters may be revised as the result of corrected data from respondents, including the receipt of late

reports for which imputations were made as described above. Figures which have been revised by more than 5 percent from previously published figures are indicated by footnotes.

## EXPLANATION OF TERMS

**Woolen and Worsted Fabrics, Chiefly Wool.** Fabrics wholly or chiefly by weight of wool, reprocessed wool, and reused wool. Apparel fabrics include all fabrics that may be labeled as being made entirely of wool, reprocessed wool, and reused wool under the Wool Products Labeling Act. This includes blends of wool of sheep with, and fabrics entirely of mohair, cashmere, camel hair, alpaca, llama, and vicuna.

**Cotton Fabrics.** Fabrics wholly or chiefly by weight of cotton.

**Manmade Fiber Fabrics.** Fabrics wholly or chiefly by weight of manmade fibers.

**Blends and Mixtures.** Fabrics made from more than one fiber are classified in the same way as other fabrics, i.e., according to whether the fabric is chiefly cotton, wool, or manmade fiber. As examples, a fabric which is 55 percent cotton and 45 percent rayon is classified as cotton; a fabric which is 40 percent cotton, 30 percent rayon, and 30 percent acetate is classified as manmade.

Blends and mixture which are by weight 50 percent natural fiber and 50 percent manmade fiber are, for purposes of continuity, classified in the manmade category.

**Production.** Represents total production of broadwoven gray fabrics by all weaving mills regardless of the primary activity.

**Units of Quantity.** Production is reported in thousands of square yards except for tire cord and tire cord fabric which are reported in thousands of pounds.

**Looms Operating.** Represents number of looms (assigned to the specific fabrics) operating at the end of the quarter.

**Spun Yarn Fabrics.** Includes all fabrics that contain 85 percent or more spun yarns.

**Filament Yarn Fabrics.** Includes all fabrics that contain 85 percent or more filament yarns.

**Spun/Filament Combinations.** Includes fabrics that are combinations of spun and filament yarn where neither the spun or filament yarns exceed 85 percent.



*Plain Weave Fabrics.* A fabric construction in which each yarn of the weft passes alternately over and under successive yarns of the warp and each yarn of the warp passes alternately over and under successive yarns of the weft.

*Tobacco, Cheese, and Bandage Cloth.* Fabrics of plain weave, weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) consisting of 85 or less warp ends and filling picks per square inch whether or not napped.

*Print Cloth.* Fabrics of plain weave, weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) of average yarn numbers 26-40, consisting of more than 85 singles yarns per square inch, of square construction, whether or not of yarns of different colors (yarn dyed), whether or not napped.

*Poplin and Broadcloth.* Fabrics of plain weave, not of square construction, whether or not napped, but does not include the following types—fabrics weighing not more than 5.9 ounces per square yard, containing 85 or less warp ends and filling picks per square inch, or fabrics weighing more than 5.9 ounces per square yard of average yarn number 15 or lower.

*Lawns, Voiles, and Batistes.* Fabrics of plain weave weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) consisting of more than 85 warp ends and filling picks per square inch, of square construction, of average yarn number 41 or higher, whether or not napped.

*Sheeting.* Fabrics of plain weave, whether or not napped, of the following types:

Fabrics weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), of square construction, containing more than 85 warp end and filling picks per square inch, of average yarn number 40 or lower, but not including print cloth.

Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) but does not include fabrics of which the warp or filling, or both, consists of multiple (folded) or cabled yarns, of average yarn number 15 or lower or fabrics of average yarn number 16 or higher number, not of square construction.

*Twill Weave Fabrics.* Fabrics in which the warp and filling yarns are interlaced in such a manner as to produce a diagonal or bias effect on the face of the fabric.

*Blue Denim.* Fabrics of 3 or 4- thread twill, including broken twill, warp faced, the warp yarns of which are dyed blue and the weft yarns of which are unbleached, bleached, dyed grey or colored a lighter shade of blue than that of the warp yarns.

*All Other Denim.* Includes sport denims and all other denim not include above.

*Canton Flannel.* Fabric woven with a four-harness warp face twill with heavy, soft filling yarn, and a medium count warp. A long nap is raised on the back.

*Sateens.* Fabrics woven with a satin weave, whether or not napped, in which the surface of the cloth consists almost entirely of warp or filling floats; that is, in the repeat of a weave pattern, each yarn of one system passes over several yarns of the other system before interlacing.

*Oxfords.* Fabrics weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), whether or not napped, woven as plain weave except that two or more warp ends are woven as one (taped warp). Oxford cloth is not to be classified as a plain weave fabric.

*Duck.* Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), of average yarn number 15 or lower number, whether or not napped, of a plain weave where the warp or filling or both, consists of multiple (folded) or cabled yarns.

*Taped Warp Duck.* Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces (chiefly cotton fabric), of average yarn number 15 or lower number, whether or not napped, of a plain weave except that two or more warp ends are woven as one (tape warp) whether or not containing multiple (folded) or cabled yarns.

*Shirting, Jacquard or Dobby.* Fabrics weighing not more than 5 ounces per square (chiefly manmade fiber) or 5.9 ounces per square yard (chiefly cotton fiber) whether or not napped, woven wholly or in part with jacquard or dobby attachment.

*Table Damask.* Fabrics, whether or not napped, woven wholly or in part with jacquard or dobby attachment characterized by elaborate decorative designs, usually of floral patterns. The designs are reversible and are formed by warp-face satin weave. Table damask is generally all white, although it is sometimes made with colored stripes or in solid pastel shades.



**Ginghams, Plaids, and Checks.** Yarn dyed fabrics composed of two or more colors in the warp and two or more colors in the filling.

**Stripes and Other Yarn Dyed Fabrics.** Yarn dyed fabrics composed of any number of colors in the warp but only one color in the filling.

**High Tenacity Yarn Fabric.** Fabric made from yarns having a tenacity, expressed in centinewtons per tex (cN/tex) greater than 60 cN/tex for multiple (folded) or cabled yarns of nylon or polyester; or 27 cN/tex for multiple (folded), cabled, or singles yarns of viscose rayon.

**Flat Fabrics.** Fabrics containing yarns having less than twelve turns per inch.

## COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

The trade comparisons shown in this report should be considered only as approximations. Several problems prevent precise comparisons among imports, exports, and domestic output. These problems include the following:

- Export and import comparisons do not account for the origin of materials used to manufacture the finished product. Domestic output includes any goods that undergo substantial transformation into a finished product in the U.S., even if the goods are partially constructed abroad or are constructed of imported materials.
- There will be a lag between the time a producer makes or ships a product and the time it is actually exported. Similarly, there may be a lag between the time a product is imported and when it enters into U.S. distribution channels.
- The basic structure of these classification systems differ. The Standard Industrial Classification (SIC) system used for domestic output was developed independently of the Harmonized System (HS) used to classify imports and exports. The level of detail provided by the different systems varies substantially, reflecting their different objectives. For example, there are a number of imported commodities that have no comparable domestic output classification.
- Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of domestic output data for such commodities may contain some duplication.
- Import and export data reflect the movement of merchandise into and out of U.S. foreign trade zones, the U.S. Virgin Islands, and the U.S. customs territory of

the 50 States, the District of Columbia, and Puerto Rico. Domestic output reflects activity in the 50 States and, only if specified, in Puerto Rico.

- Import and export data generally do not distinguish between new, used or rebuilt commodities.
- The valuation of the three data sets differ. Domestic output is valued at the point of production. It includes the net sales price, f.o.b. plant, after discounts and allowances, and excludes freight charges and excise taxes. Exports are valued at the point of exportation. It includes the net sales price or value, and inland freight, insurance and other charges to the export point. Imports are valued at the first port of entry in the United States. They include the cost, insurance, freight duty, and other charges to the import point.
- Detailed commodity information is not included for individual export or import shipments at or below a certain dollar limit. This dollar limit is \$1,500 for exports and \$1,000 for imports, except for import of textiles and textile products, gloves, footwear, and miscellaneous rubber and plastics products, where the limit is \$250.

## HISTORICAL NOTE

Data on broadwoven fabrics (gray) have been collected by the Bureau of the Census since 1943. Historical data may be obtained from Current Industrial Reports (called Facts for Industry before 1959) available at your local Federal Depository Library. A list of these libraries may be obtained from the Bureau of the Census regional offices:

Office	Telephone
Atlanta, Georgia	(404) 347-2271
Boston, Massachusetts	(617) 565-7100
Charlotte, North Carolina	(704) 371-6141
Chicago, Illinois	(312) 353-6251
Dallas, Texas	(214) 767-0621
Denver, Colorado	(303) 286-2200
Detroit, Michigan	(313) 226-7741
Kansas City, Kansas	(913) 236-3728
Los Angeles, California	(213) 209-6616
New York, New York	(212) 264-3860
Philadelphia, Pennsylvania	(215) 597-4920
Seattle, Washington	(206) 442-7800

Historical data are also available on microfiche. For further information, contact the Bureau of the Census Data User Services Division (301) 763-4100.

## RELATED REPORTS

A quarterly Current Industrial Report is published in this series. The Bureau of the Census also publishes the following related reports:



Series	Frequency	Title
<i>Current Industrial Reports</i>		
M22D	Monthly	<i>Consumption on the Woolen System and Worsted Combing</i>
M22P	Monthly	<i>Consumption on the Cotton System and Stocks</i>
MQ23X	Quarterly	<i>Sheets, Pillowcases, and Towels</i>
MA22F.1	Annually	<i>Textured Yarn Production</i>
MA22F.2	Annually	<i>Spun Yarn Production</i>
MA22G	Annually	<i>Narrow Fabrics</i>
MA22K	Annually	<i>Knit Fabric Production</i>
MA22Q	Annually	<i>Carpet and Rugs</i>
MA22M	Biennially	<i>Stocks of Wool and Related Fibers</i>
MA23A	Annually	<i>Apparel</i>
MA23D	Annually	<i>Gloves and Mittens</i>
<i>Other Industry Reports</i>		
M3-1	Monthly	<i>Manufacturers' Shipments, Inventories, and Orders</i>
(AS)	Annually	Annual Survey of Manufactures (ASM)
(MC)	Quinquennially	Census of Manufactures
<i>Foreign Trade Reports</i>		
EM 522	Monthly	<i>U.S. Exports—Schedule B—Commodity by Country</i>
FT 446	Annually	
IM 145	Monthly	<i>U.S. Imports for Consumption—HTSUSA—Commodity by Country</i>
FT 246	Annually	

## CONTACTS FOR DATA USERS

Subject Area	Contact	Phone Number
Current Industrial Report MQ22T	Robert Reinard	(301) 763-7536
Manufacturers' Shipments, Inventories, and Orders	Kathleen Menth	(301) 763-2575
Classification Systems Comparability	Francis McCormick (ESD)	(301) 763-1935
Census/ASM	Ted McGrath	(301) 763-5152
Foreign Trade	Trade Data Inquiries Staff (FTD)	(301) 763-5140
Office of Textiles and Apparel	James Bennett	(202) 377-4058
To order a Current Industrial Report	Superintendent of Documents (GP0)	(202) 783-3238
To subscribe to a Census Bureau publication	Superintendent of Documents (GP0)	(202) 275-3054

## ACKNOWLEDGMENTS

This report was prepared in the Industry Division, Bureau of the Census, under the direction of Tom Flood, Chief, Current Nondurables Branch, and Robert Reindard, Chief, Textiles and Apparel Section. Cynthia DiPardo was directly responsible for the review of the data and preparation of the report. Gaylord Worden, Chief of the Division, and Robert N. Tinari, Assistant Chief for Current Industrial Reports, provided overall direction and coordination to this project.







## EC87-R-3

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- Industrial coverage of the Economic and Agriculture Censuses described within the context of each SIC division.
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- Narrative descriptions and establishment concepts of each SIC division including discussions on borderline activities which may or may not be covered within that division.
- A list of the industry codes, titles, and census form numbers used to collect data by industry, for each SIC division.
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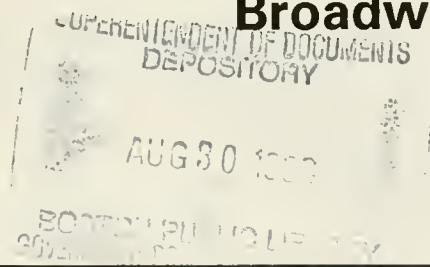




## Broadwoven Fabrics (Gray)

.158:MQ 22 T(90)-1

ent Industrial Reports,...



FIRST QUARTER 1990

U.S. Department of Commerce  
BUREAU OF THE CENSUSMQ22T(90)-1  
Issued July 1990

The statistics in this publication are based on a survey of manufactures and represent total U.S. production of broadwoven fabrics over 12 inches. Estimates are included

for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information appears on page 14.

This report is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100.

Table 1. SUMMARY OF PRODUCTION OF BROADWOVEN GRAY FABRICS, BY TYPE OF FABRIC: 1985 TO 1990

(Millions of square yards)

Year	Chiefly cotton fabrics	Manmade fiber fabrics, including silk and manmade/wool blends	Chiefly wool fabric	Tire cord and tire cord fabrics
1990				
First quarter.....	1,199.4	2,688.3	38.8	180.0
1989				
Fourth quarter.....	1,405.8	2,714.6	37.0	161.4
Third quarter.....	1,134.3	2,670.0	40.1	172.0
Second quarter.....	1,191.8	2,782.2	50.9	179.3
First quarter.....	1,157.2	2,796.0	48.3	175.7
1988				
Fourth quarter.....	1,052.3	2,847.7	43.9	168.9
Third quarter.....	1,072.2	2,735.6	43.0	169.5
Second quarter.....	1,255.0	2,877.6	53.0	157.7
First quarter.....	1,252.1	2,908.8	50.6	153.8
1987				
Fourth quarter.....	1,178.2	2,945.9	40.9	126.8
Third quarter.....	1,219.1	2,787.7	36.0	122.1
Second quarter.....	1,216.9	2,764.0	45.9	121.9
First quarter.....	1,158.0	2,736.7	46.0	124.5
1986				
Fourth quarter.....	1,129.3	2,785.4	30.2	116.0
Third quarter.....	1,095.2	2,561.5	27.8	105.9
Second quarter.....	1,102.6	2,659.8	41.2	108.8
First quarter.....	1,037.0	2,757.5	40.2	112.8
1985				
Fourth quarter.....	955.4	2,696.4	34.0	112.2
Third quarter.....	933.0	2,652.6	24.3	107.9
Second quarter.....	1,001.7	2,685.7	39.5	129.5
First quarter.....	1,030.3	2,761.9	40.6	145.9

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Judy Dodds, (301) 763-7536.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.



Table 2. SUMMARY OF PRODUCTION AND LOOM ASSIGNMENTS OF BROADWOVEN GRAY FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	First quarter 1990		Fourth quarter 1989		Production, year-to-date (M sq. yards)
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)	
	Cotton and chiefly cotton fabrics mixed mainly or solely with manmade fibers.....	36,890	1,444,391	37,775	1,105,820	1,199,393
2211B 00	Plain weaves.....	17,754	632,331	18,548	570,984	632,331
2211C 00	Twill weaves.....	6,944	292,450	6,900	288,201	292,450
2211D 00	All other weaves except pile.....	5,277	132,350	5,585	126,765	132,350
2211E 00	Pile fabrics.....	6,915	142,262	6,742	119,870	142,262
	Chiefly cotton fabrics mixed mainly or solely with other than manmade fibers.....	(D)	(D)	(D)	(D)	(D)
	Manmade fiber and silk gray broadwoven fabrics.....	70,253	2,688,320	72,838	2,714,614	2,688,320
2221B 00	85 percent or more filament rayon and/or acetate fabrics.....	8,252	156,208	8,780	165,482	156,208
2221C 00	85 percent or more filament fabrics, except rayon and/or acetate.....	17,639	1,173,545	18,319	1,259,102	1,173,545
	85 percent or more spun yarn fabrics, except wool blends.....	36,440	1,048,813	37,197	983,144	1,048,813
2221D 00	Plain weave, except pile.....	29,239	865,344	29,891	789,586	865,344
2221E 00	Twill weave, except pile.....	3,882	113,225	3,746	123,490	113,225
2221F 00	All other weaves, except pile.....	3,414	71,589	3,560	70,068	71,589
2221G 00	Spun/filament yarn combinations.....	(D)	(D)	(D)	(D)	(D)
2221H 10	Pile fabrics.....	784	15,019	784	12,619	15,019
2221H 2X	All other chiefly manmade fiber fabrics, including chiefly manmade fiber blends with wool.....	(D)	(D)	(D)	(D)	(D)
2221H 3I	Silk fabrics.....	96	170	136	309	170
	Woolen and worsted fabrics.....	1,923	38,797	1,885	37,041	38,797

(D) Data withheld to avoid disclosing figures for individual companies.

† Revised by 5 percent or more from previously published figures.

Table 3. SUMMARY OF PRODUCTION OF BROADWOVEN FABRIC BY TEXTILE CATEGORY

(Thousands of square yards)

Product description	Production during quarter		Production year-to-date
	First quarter 1990	Fourth quarter 1989	
Blue denim.....	170,692	179,391	170,692
All other yarn dyed fabric.....	128,025	123,252	128,025
Plain weave.....	31,249	30,593	31,249
Twill weave.....	32,218	26,676	32,218
All other weave.....	64,558	65,983	64,558
Cheesecloth and batistes.....	360,558	321,623	360,558
Duck.....	(D)	(D)	(D)
Oxfords.....	17,110	21,201	17,110
Pile fabrics.....	157,281	132,075	157,281
Special weave fabric.....	102,643	89,854	102,643
Other fabrics, chiefly cotton fiber:			
Print cloth.....	98,087	96,141	98,087
Poplin and broadcloth.....	32,719	31,380	32,719
Sheeting.....	181,042	152,837	181,042
Twill and sateens.....	91,911	84,728	91,911
Sateens.....	14,032	13,722	14,032
Other fabrics, chiefly manmade fiber:			
Manmade/wool blends.....	(D)	(D)	(D)
85 percent or more filament yarn fabrics:			
Typewriter fabric.....	24,296	23,217	24,296
Other nylon.....	123,644	115,851	123,644
Rayon and acetate.....	156,208	165,482	156,208
Polyester.....	146,385	157,775	146,385
Glass fiber.....	109,843	109,440	109,843
All other.....	769,377	872,819	769,377
85 percent or more spun yarn fabrics:			
Print cloth.....	190,999	186,265	190,999
Poplin and broadcloth.....	162,189	146,476	162,189
Sheeting.....	427,740	380,651	427,740
Twill and sateens.....	117,955	128,837	117,955
Spun filament combinations except blue denim:			
Print cloth.....	89,036	84,763	89,036
Poplin and broadcloth.....	46,078	43,498	46,078
Sheeting.....	20,306	37,295	20,306
Twill and sateens.....	24,513	25,194	24,513
Other.....	82,390	88,313	82,390
Wool fabrics.....	38,797	37,041	38,797
Silk fabrics.....	170	309	170

(D) Data withheld to avoid disclosing figures for individual companies.

† Revised by 5 percent or more from previously published figures.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	First quarter 1990		Fourth quarter 1989	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
2211B 02	Tobacco, cheese, and bandage cloth.....	4,823	364,129	4,965	326,419
2221D 04	More than 50 percent cotton.....	4,315	302,858	4,446	269,728
2221D 08	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221D 08	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2211G 04	Spun-filament combinations.....	(D)	(D)	(D)	(D)
2211B 12	Print cloth.....	16,200	378,122	17,309	367,169
2221D 14	More than 50 percent cotton.....	5,751	98,087	5,976	96,141
2221D 16	Chiefly spun polyester mixed with cotton.....	5,748	144,011	6,342	143,047
2221D 16	Chiefly spun polyester mixed with rayon.....	2,559	33,105	2,827	32,943
2221D 18	All other fabrics, 85 percent or more spun yarn.....	8631	13,883	458	10,275
2221G 07	Spun/filament combinations.....	1,511	89,036	1,706	84,763
2211B 22	Poplin and broadcloth.....	8,384	264,597	8,602	246,608
2221D 24	More than 50 percent cotton.....	1,347	41,093	1,620	39,458
2221D 24	Weighting 5.9 ounces or less per square yard.....	1,141	31,326	1,430	31,030
2211B 26	Carded.....	718	15,505	852	14,139
2211B 26	Combed.....	423	15,821	578	16,891
2211B 32	Weighting more than 5.9 ounces per square yard.....	206	9,767	190	8,428
2211B 36	Carded.....	(D)	(D)	(D)	(D)
2211B 36	Combed.....	(D)	(D)	(D)	(D)
2221D 24	Chiefly spun polyester mixed with cotton.....	4,335	147,028	4,507	138,540
2221D 24	Weighting 5.0 ounces or less per square yard.....	4,052	134,102	4,247	123,906
2221D 26	Carded.....	2,919	79,072	2,773	74,867
2221D 26	Combed.....	1,133	55,030	1,474	49,039
2221D 28	Weighting more than 5.0 ounces per square yard.....	283	12,926	260	14,634
2221D 32	Carded.....	148	7,453	124	6,331
2221D 32	Combed.....	135	5,473	136	8,303
2221D 36	All other fabrics, 85 percent or more spun yarn.....	1,823	30,398	1,614	25,112
2221G 19	Spun/filament combinations.....	879	46,078	861	43,498
2211B 42	Lawns, voiles, and batistes.....	603	7,514	669	8,874
2221D 42	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221D 43	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221D 44	All other fabrics, 85 percent or more spun yarn.....	-	-	-	-
2221G 21	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211B 72	Duck, including taped warp duck.....	738	14,584	815	16,941
2221D 88	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221D 92	Chiefly spun polyester mixed with cotton.....	174	2,776	167	2,735
2221D 92	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2221G 77	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211B 51	Bedsheeting.....	14,321	484,411	14,505	428,969
2221D 51	More than 50 percent cotton.....	3,385	106,931	3,330	90,821
2221D 51	Chiefly spun polyester mixed with cotton.....	10,618	344,080	10,696	306,471
2221D 51	Carded.....	1,735	82,749	1,766	73,167
2221D 53	Combed.....	8,883	261,331	8,930	233,304
2221D 55	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2221G 33	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211B 62	All other sheeting, including osnaburgh.....	4,896	171,027	4,915	147,153
2221D 62	More than 50 percent cotton.....	2,547	76,482	2,679	65,497
2221D 62	Weighting 5.9 ounces or less per square yard.....	2,163	57,932	2,248	47,154
2221D 62	Weighting more than 5.9 ounces per square yard.....	384	18,550	431	18,343
2211B 64	Blanketing.....	187	7,593	168	7,739
2211B 66	All other fabric.....	197	10,957	263	10,604
2221D 64	85 percent or more spun polyester.....	280	11,175	318	10,931
2221D 66	Blanketing.....	(D)	(D)	(D)	(D)
2221D 66	All other fabric.....	(D)	(D)	(D)	(D)
2221D 74	Chiefly spun polyester mixed with cotton.....	838	36,437	832	34,877
2221D 74	Weighting 5.0 ounces or less per square yard.....	684	32,345	668	30,657
2221D 76	Weighting more than 5.0 ounces per square yard.....	154	4,092	164	4,220
2221D 82	Chiefly spun acrylic.....	226	11,737	154	9,282
2221D 82	Blanketing.....	(D)	(D)	(D)	(D)
2221D 84	All other fabric.....	(D)	(D)	(D)	(D)
2221D 86	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2221G 45	Spun/filament combinations.....	(D)	(D)	(D)	(D)

See footnotes at end of table.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS--Continued

(Looms operating in number; production in thousands of square yards)

Product code	Product description	First quarter 1990		Fourth quarter 1989	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
2211C 01	Blue denim.....	3,201	170,692	3,167	179,391
2211C 03	More than 50 percent cotton.....	3,182	169,187	3,138	177,523
2221E 03	Weighing 10.7 ounces or less per square yard.....	339	19,005	432	20,977
2221G 46	Weighing more than 10.7 ounces per square yard.....	2,843	150,182	2,706	156,546
	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211C 12	All other denim.....	821	36,050	851	28,246
2211C 14	More than 50 percent cotton.....	814	35,149	825	27,270
2221E 12	Weighing 10.7 ounces or less per square yard.....	71	3,651	95	4,552
2221E 14	Weighing more than 10.7 ounces per square yard.....	743	31,498	730	22,718
2221G 48	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
	Spun filament combinations.....	(D)	(D)	(D)	(D)
2211C 22	Canton flannels.....	(D)	4,396	(D)	5,455
	All other twill weaves.....	6,812	209,687	6,635	214,371
2211C 32	More than 50 percent cotton.....	2,548	83,718	2,514	77,953
2211C 34	Weighing 5.9 ounces or less per square yards.....	1,226	36,131	1,206	29,994
2221E 22	Weighing more than 5.9 ounces per square yard.....	1,322	47,587	1,308	47,959
	85 percent or more spun polyester.....	108	1,007	120	2,840
2221E 24	Chiefly spun polyester mixed with cotton.....	2,489	98,210	2,790	101,837
2221E 26	Weighing 5.0 ounces or less per square yard.....	528	13,125	615	12,733
2221E 28	Weighing more than 5.0 ounces per square yard.....	1,961	85,085	2,175	89,104
2221G 39	All other fabrics, 85 percent or more spun yarn.....	1,278	13,107	(D)	(D)
	Spun/filament combinations.....	389	13,645	(D)	(D)
2211D 05	Sateena.....	1,160	30,614	1,216	31,085
2211F 05	More than 50 percent cotton.....	459	14,032	503	13,722
2221F 07	Chiefly spun polyester mixed with cotton.....	202	3,271	150	3,515
2221G 63	All other fabrics, 85 percent or more spun yarn.....	122	2,443	164	2,558
	Spun/filament combinations.....	377	10,868	399	11,290
2211D 12	Oxforda.....	897	44,968	1,064	52,418
2221F 12	More than 50 percent cotton.....	601	34,822	785	42,246
2221F 16	Chiefly spun polyester mixed with cotton.....	155	6,889	177	7,144
2221G 68	All other fabrics, 85 percent or more spun yarn.....	5	149	6	171
	Spun/filament combinations.....	136	3,108	96	2,857
2211D 32	Birdeeye diaper cloth.....	(D)	(D)	(D)	(D)
2211D 35	Huck and crash toweling.....	(D)	(D)	(D)	(D)
2211D 45	Table damaak.....	394	11,591	332	11,185
2221F 33	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221F 36	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221G 82	All other fabrics, 85 percent or more spun yarn.....	-	-	-	-
	Spun/filament combinations.....	(D)	(D)	-	-
2211D 52	Jacquard and dobby shirting fabrics.....	382	8,022	380	8,406
2221F 42	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221F 44	Chiefly spun polyester mixed with cotton.....	114	1,436	(D)	(D)
2221G 84	All other fabric, 85 percent or more spun yarn.....	-	-	-	-
	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211D 62	All other weaves.....	8,119	161,920	8,715	155,660
2211D 64	More than 50 percent cotton.....	3,034	48,368	3,235	40,608
2221F 52	Weighing 5.9 ounces or less per square yard.....	1,265	21,079	1,319	19,283
	Weighing more than 5.9 ounces per square yard.....	1,769	27,289	1,916	21,325
	85 percent or more spun polyester.....	391	5,652	466	6,590
2221F 54	Chiefly spun polyester mixed with cotton.....	907	12,364	951	12,188
2221F 56	Weighing 5.0 ounces or less per square yard.....	333	4,701	336	4,327
2221F 58	Weighing more than 5.0 ounces per square yard.....	574	7,663	615	7,861
2221G 87	All other fabrics, 85 percent or more spun yarn.....	1,201	28,961	1,236	26,941
	Spun/filament combinations.....	2,586	66,575	2,827	69,333

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text, for a discussion of estimation of missing reports): \*10 to 25 percent of this item is estimated. b26 to 50 percent of this item is estimated.

- Represents zero.

(D) Data withheld to avoid disclosing figures for individual companies.

† Revised by 5 percent or more from previously published figures.



Table 5. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE FILAMENT YARN FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	First quarter 1990		Fourth quarter 1989	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	85 percent or more filament yarn fabrics.....	25,891	1,329,753	27,099	1,424,584
	High tenacity yarn fabrics.....	1,034	20,988	1,033	20,802
2221B 01	100 percent and chiefly rayon.....	466	5,057	468	5,076
2221C 01	100 percent and chiefly nylon.....	314	9,060	327	7,864
2221C 03	100 percent and chiefly polyester.....	254	6,871	238	7,862
	85 percent or more acetate or triacetate filament yarn fabrics.....	<sup>1</sup> 5,900	<sup>1</sup> 112,975	<sup>1</sup> 6,323	<sup>1</sup> 122,940
	Weighing not more than 5 ounces per square yard.....	<sup>1</sup> 5,022	<sup>1</sup> 99,786	<sup>1</sup> 5,322	<sup>1</sup> 108,406
2221B 21	Plain weave.....	<sup>1</sup> 3,258	<sup>1</sup> 61,812	<sup>1</sup> 3,649	<sup>1</sup> 69,258
2221B 23	Other weaves.....	1,764	37,974	1,678	39,148
	Weighing more than 5 ounces per square yard.....	1878	13,189	1,001	14,534
2221B 25	Plain weave.....	(D)	(D)	(D)	(D)
2221B 27	Other weaves.....	(D)	(D)	(D)	(D)
	85 percent or more rayon filament yarn fabrics.....	(1)	(1)	(1)	(1)
2221B 41	Weighing not more than 5 ounces per square yard.....	(1)	(1)	(1)	(1)
2221B 43	Weighing more than 5 ounces per square yard.....	(1)	(1)	(1)	(1)
	Other chiefly rayon and/or acetate filament yarn fabrics.....	1,886	38,176	1,989	37,466
2221B 51	Weighing not more than 5 ounces per square yard.....	389	5,360	435	5,189
2221B 53	Weighing more than 5 ounces per square yard.....	<sup>a</sup> 1,497	<sup>a</sup> 32,816	<sup>a</sup> 1,554	<sup>a</sup> 32,277
	85 percent or more nylon filament yarn fabrics.....	4,623	134,437	4,784	127,011
2221C 11	Typewriter and other impression fabrics.....	713	24,296	696	23,217
	Other 85 percent or more nylon filament yarn fabrics.....	3,910	110,141	4,088	103,794
	Weighing not more than 5 ounces per square yard.....	3,063	96,572	3,150	90,666
2221C 13	Flat, non-textured.....	2,609	82,503	2,747	78,597
2221C 15	All other.....	454	14,069	403	12,069
	Weighing more than 5 ounces per square yard.....	847	13,569	938	13,128
2221C 23	Flat, non-textured.....	726	6,173	761	6,638
2221C 25	All other.....	121	7,396	177	6,490
	Other chiefly nylon filament fabrics.....	409	4,443	399	4,193
2221C 31	Weighing not more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)
2221C 33	Weighing more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)
	85 percent or more polyester filament yarn fabrics.....	5,044	136,836	5,464	147,015
	Textured.....	3,009	84,888	3,314	96,880
2221C 44	Weighing not more than 5 ounces per square yard <sup>2</sup> .....	1,784	39,966	2,035	45,547
2221C 43	Flat.....	(D)	(D)	(D)	(D)
2221C 45	Other.....	(D)	(D)	(D)	(D)
2221C 50	Weighing more than 5 ounces per square yard <sup>2</sup> .....	1,225	44,922	1,279	51,353
	Non-textured.....	2,035	51,948	2,150	50,135
2221C 62	Weighing not more than 5 ounces per square yard <sup>2</sup> .....	1,293	29,328	1,274	28,980
2221C 66	Weighing more than 5 ounces per square yard <sup>2</sup> .....	742	22,620	876	21,155
2221C 73	Other chiefly polyester filament fabrics.....	189	<sup>a</sup> 2,678	181	2,898
	Glass fiber fabrics.....	2,764	109,843	<sup>r</sup> 2,831	<sup>r</sup> 89,440
2221C 82	Woven roving and screening.....	<sup>a</sup> 68	<sup>a</sup> 4,118	67	3,972
2221C 89	All other glass fiber fabrics.....	2,696	105,725	<sup>r</sup> 2,764	<sup>r</sup> 85,468
	All other 85 percent or more filament yarn fabrics, including rayon and olefin and fabrics obtained from strip, except rayon and/or acetate.....	4,042	769,377	4,095	872,819
2221C 91	Carpet backing.....	2,862	698,289	2,923	803,039
2221C 93	All other.....	<sup>a</sup> 1,180	<sup>a</sup> 71,088	<sup>a</sup> 1,172	<sup>a</sup> 69,780

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.

<sup>1</sup>Included with 85 percent or more acetate or triacetate filament yarn fabric to avoid disclosing figures for individual companies.

<sup>2</sup>Classified on a finished weight basis.



Table 6. PRODUCTION AND LOOM ASSIGNMENT OF PILE FABRICS  
(INCLUDES YARN DYED FABRIC)

(Looms operating in number; production in thousands of square yards)

Product code	Product description	First quarter 1990		Fourth quarter 1989	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Pile fabrics.....	7,699	157,281	7,526	132,489
	Corduroy.....	1,886	30,388	1,383	18,699
	More than 50 percent cotton.....	1,886	30,388	(D)	(D)
2211E 01	Finewales and pinwales.....	1,267	17,313	843	8,336
2211E 03	Midwales.....	(D)	(D)	(D)	(D)
2211E 05	Thickwales.....	(D)	(D)	(D)	(D)
2211E 07	Widewales and other.....	330	5,900	259	4,397
2221H 01	Chiefly manmade fiber.....	-	-	(D)	(D)
	Velvets, plushes, and other pile fabrics.....	873	16,122	874	13,773
2211E 21	More than 50 percent cotton.....	89	1,103	(D)	(D)
2221H 11	Chiefly manmade fiber.....	784	15,019	(D)	(D)
	Terry cloth and terry toweling.....	4,940	110,771	5,269	100,017
2211E 32	Terry toweling.....	4,723	104,450	5,109	95,852
2211E 34	Terry cloth.....	217	6,321	160	4,165

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies.

Table 7. PRODUCTION AND LOOM ASSIGNMENT OF WOOLEN AND WORSTED FABRICS,  
INCLUDING CHIEFLY MANMADE/WOOL BLENDS AND CHIEFLY COTTON/WOOL BLENDS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	First quarter 1990		Fourth quarter 1989	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Woolen and worsted fabrics, 36 percent or more wool (except felts) <sup>1</sup> .....	1,923	38,797	1,885	37,041
	Apparel fabrics, including government orders.....	1,757	36,372	1,724	34,262
	Worsted fabrics.....	1,036	23,695	994	22,020
22312 01	Weighing not more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)
22312 02	Weighing more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)
	Woolen fabrics.....	721	12,677	730	12,242
22312 21	Weighing not more than 9 ounces per square yard.....	(D)	(D)	889	1,805
22312 23	Weighing more than 9 ounces per square yard.....	(D)	(D)	641	10,437
	Nonapparel fabrics, including government orders (except felts).....	166	2,425	161	2,779
22312 62	Blanketing, including thermal.....	25	607	25	717
22312 85	All other fabrics.....	<sup>a</sup> 141	<sup>a</sup> 1,818	136	2,062
22312 92	Woven felts (thousands of pounds).....	145	1,620	172	1,643
	Chiefly manmade/wool blend and chiefly cotton/wool blend fabrics.....	(D)	(D)	(D)	(D)
2221H 22	Chiefly spun polyester mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)
2221H 21	All other chiefly spun fibers mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)
2221H 92	Chiefly filament polyester mixed mainly or solely with wool or spun polyester/wool blends.....	(D)	(D)	(D)	(D)
2221H 98	All other chiefly filament yarn mixed mainly or solely with wool...	(D)	(D)	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Includes fabrics 36 percent or more wool or reprocessed wool by weight. 1986 and prior years include fabrics 50 percent or more wool or reprocessed wool by weight.



Table 8. PRODUCTION AND LOOM ASSIGNMENT OF UPHOLSTERY FABRICS  
(Looms operating in number; production in thousands of square yards)

Product code	Product description	First quarter 1990		Fourth quarter 1989	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Upholstery fabrics.....	4,587	96,437	4,791	89,326
	85 percent or more spun yarn and spin filament combinations.....	3,930	82,753	<sup>r</sup> 4,095	75,299
	Pile woven.....	1,163	21,612	1,148	18,691
221IE 41	All cotton and chiefly cotton.....	(S)	<sup>a</sup> 1,546	(S)	<sup>a</sup> 1,349
222IH 41	All manmade and chiefly manmade.....	762	20,066	765	<sup>a</sup> 17,342
	Flat woven.....	2,767	61,141	2,947	56,608
221IX 01	All cotton and chiefly cotton.....	<sup>a</sup> 836	18,550	850	17,478
	All manmade and chiefly manmade.....	1,931	42,591	2,097	39,130
222IX 01	Olefin.....	427	9,155	437	7,912
222IX 03	All other flat woven manmade fiber fabrics.....	1,504	33,436	1,660	31,218
	85 percent or more filament yarn.....	<sup>b</sup> 657	<sup>b</sup> 13,684	<sup>r</sup> 696	14,027
222IC 77	All polyester and chiefly polyester.....	<sup>b</sup> 189	<sup>b</sup> 3,906	<sup>b</sup> 174	<sup>b</sup> 3,687
222IC 78	All nylon and chiefly nylon.....	(D)	(D)	(D)	(D)
222IC 98	All olefin and chiefly olefin.....	<sup>b</sup> 329	<sup>b</sup> 7,110	327	6,704
222IC 99	All other filament fiber fabrics.....	(D)	(D)	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

These data are included in the data shown in tables 4, 5, and 6.

(D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.  
(S) Suppressed. Data did not meet publication standards of the Bureau of the Census.

Table 9. PRODUCTION OF TIRE CORD AND TIRE CORD FABRICS  
(Thousands of pounds)

Product code	Product description	Production during quarter	
		First quarter 1990	Fourth quarter 1989
22960 00	Tire cord and tire cord fabrics.....	179,988	161,395
22960 12	Cotton tire cord and tire cord fabrics.....	(D)	(D)
22960 32	Rayon tire cord and tire cord fabrics.....	(D)	(D)
22960 35	Nylon tire cord and tire cord fabrics.....	42,801	39,623
22960 37	Polyester tire cord and tire cord fabrics.....	48,059	44,419
22960 38	Glass tire cord and tire cord fabrics.....	310	278
22960 45	Steel tire cord.....	84,540	<sup>r</sup> 72,707
22960 51	All other tire cord and tire cord fabrics including chafer.....	3,492	3,316

(D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.

Table 10. LOOMS IN PLACE AND LOOM HOURS OPERATED IN BROADWOVEN FABRIC MILLS

Product description	First quarter 1990		Fourth quarter 1989	
	Looms in place (number)	Thousands of loom hours operated	Looms in place (number)	Thousands of loom hours operated
Total.....	117,721	189,597	121,418	193,283
Shuttle type looms.....	52,095	78,758	55,871	83,970
Single shuttle cam looms.....	35,430	56,142	37,996	59,885
Single shuttle dobby looms.....	9,885	13,730	10,698	15,391
Multiple shuttle box or head motion looms.....	<sup>a</sup> 3,965	5,493	4,270	5,504
Double shuttle pile and plush, and jacquard looms.....	<sup>a</sup> 2,815	3,393	2,907	3,190
Shuttleless looms and weaving machines.....	65,626	110,839	65,547	109,313
Single filling insertion capability.....	39,002	68,310	39,059	67,339
Air jet looms.....	14,708	26,108	14,321	24,335
Water jet looms.....	6,183	8,767	6,224	9,700
Projectile looms.....	12,297	23,413	12,402	23,417
Rapier looms.....	5,814	10,022	6,112	9,887
Multiple filling insertion capability.....	25,956	41,735	25,700	41,126
Air jet looms.....	(D)	(D)	(D)	(D)
Water jet looms.....	(D)	(D)	(D)	(D)
Projectile looms.....	<sup>a</sup> 11,333	<sup>a</sup> 19,421	<sup>a</sup> 11,298	18,623
Rapier looms.....	<sup>a</sup> 12,122	<sup>a</sup> 18,106	<sup>a</sup> 11,987	18,264
Pile and plush looms.....	668	<sup>a</sup> 794	<sup>r</sup> 698	<sup>r</sup> 888

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.



Table 11. PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF BROADWOVEN FABRICS: FIRST QUARTER 1990

(Quantity in thousands of square yards; value in thousands of dollars)

Product description	Manufacturers' shipments <sup>1</sup> (quantity)	Imports for consumption <sup>2</sup>		Percent imports to manufacturers' shipments <sup>3</sup> (quantity)	Exports of domestic merchandise <sup>4</sup>		Percent exports to manufacturers' shipments <sup>3</sup> (quantity)	Apparent consumption <sup>5</sup>
		Quantity	Value <sup>3</sup>		Quantity	Value		
Cotton fabrics <sup>6</sup> .....	1,199,393	334,638	311,274	28	(NA)	(NA)	(NA)	(NA)
Cheesecloth and batistes.....	(D)	13,722	7,362	(D)	11,554	17,316	(D)	(D)
Print cloth.....	98,087	84,974	46,899	87	1,635	3,158	2	181,426
Poplin and broadcloth.....	32,719	46,839	37,423	143	4,598	7,899	14	74,960
Weighing 5.9 ounces or less per square yard.....	23,725	46,727	36,636	197	1,949	4,435	8	68,503
Weighing more than 5.9 ounces per square yard.....	8,994	111	787	1	2,649	3,464	29	6,456
Duck, including tape warp.....	(D)	21,124	22,719	(D)	2,942	6,823	(D)	(D)
Sheeting.....	181,042	84,563	61,761	47	3,538	7,322	2	262,067
Twills and sateens.....	105,943	38,095	45,902	36	3,400	7,130	3	140,639
Oxfords.....	10,110	986	2,377	10	(NA)	(NA)	(NA)	(NA)
All other constructions.....	63,090	11,816	15,057	19	9,237	20,990	15	65,669
Blue Denim.....	169,187	13,188	21,373	8	15,004	33,998	9	167,371
Yarn dyed fabric.....	87,215	17,554	43,540	20	4,034	7,107	5	100,735
Pile fabrics, including yarn dyed.....	142,262	1,778	6,861	1	2,669	6,498	2	141,371
Manmade fiber fabrics.....	2,688,320	140,268	286,193	5	65,022	134,914	2	2,763,566
85% or more filament yarn fabrics.....	1,329,753	69,465	111,520	5	31,298	58,391	2	1,367,920
Nylon and polyester high tenacity fabric.....	15,931	4,043	5,533	25	6,330	12,697	40	13,643
Rayon high tenacity fabric.....	5,057	38	250	1	668	1,391	13	4,427
Typewriter fabric.....	24,296	94	154	-	(NA)	(NA)	(NA)	(NA)
Rayon or acetate filament yarn fabrics.....	151,151	3,593	7,449	2	2,479	5,552	2	152,265
Polyester filament yarn fabric.....	139,514	39,610	69,884	28	10,987	15,308	8	168,138
Glass fiber fabric.....	109,843	8,915	10,446	8	(NA)	(NA)	(NA)	(NA)
Nylon filament yarn fabric.....	114,584	12,567	16,448	11	4,718	11,879	4	122,433
All other filament yarn fabric.....	769,377	605	1,356	-	6,115	11,564	1	763,866
85% or more spun yarn fabric.....	1,065,177	43,943	56,138	4	21,785	44,848	2	1,087,335
Cheesecloth and batistes.....	(D)	2,059	1,875	(D)				
Poplin broadcloth.....	162,189	11,145	9,312	7				
Polyester/cotton.....	135,178	9,743	7,769	7				
Weighing 5.0 ounces or less per square yard.....	122,749	9,485	7,304	8				
Weighing more than 5.0 ounces per square yard.....	12,429	258	465	2				
All other spun yarns.....	27,011	1,401	1,543	5				
Print cloth.....	190,999	11,247	4,965	6				
Polyester/cotton.....	144,011	8,962	3,365	6				
All other spun yarns.....	46,988	2,286	1,600	5				
Duck.....	(D)	202	636	(D)				
Sheeting.....	427,740	4,967	5,416	1	17,427	32,029	(NA)	(NA)
Polyester/cotton.....	(D)	3,740	2,520	(D)				
Weighing 5.0 ounces or less per square yard.....	(D)	-	-	-				
Weighing more than 5.0 ounces per square yard.....	(D)	3,740	2,520	(D)				
All other spun yarn.....	(D)	1,227	2,896	(D)				
Sateens or twills.....	117,955	6,040	8,504	5				
Oxford.....	7,000	10	20	-				
All other spun manmade fiber fabrics.....	39,553	1,327	5,481	3				
Yarn dyed fabric.....	40,810	5,951	14,161	15				
Pile fabric.....	15,019	995	5,768	7	4,358	12,819	29	11,656
Spun/filament yarn combinations, including yarn dyed.....	(D)	15,635	34,083	(D)	11,594	29,038	(D)	(D)
Chiefly manmade/wool blends.....	(D)	6,156	20,790	(D)	(NA)	(NA)	(NA)	(NA)
Silk fabric.....	170	5,069	63,662	2,982	344	2,637	203	4,895
Wool fabrics.....	38,797	6,941	80,401	18	865	5,026	2	44,873
Chiefly cotton fabrics blended with wool and other vegetable fibers and other vegetable fiber fabrics.....	(D)	30	213	(D)	1,092	3,090	(D)	(D)

Note: Fabric blends as shown in Current Industrial Reports Series MQ22T are reported based on the chief weight of the fiber whereas fabric blends as shown for imports and exports are based on the chief value of the fiber.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. (NA) Not available.

<sup>1</sup> Represents production of gray broadwoven fabrics; import and export data represent gray as well as finished broadwoven fabrics. For a comparison of Standard Industrial Classification (SIC) based product codes with Schedule B export numbers and HTSUSA import numbers, see table 12.

<sup>2</sup> Source: Bureau of the Census Report IM 145, U.S. Imports for Consumption.

<sup>3</sup> Source: Bureau of the Census Report EM 545, U.S. Exports.

<sup>4</sup> This dollar value represents the c.i.f. (cost, insurance, and freight) at the first port of entry in the United States plus calculated import duty.

<sup>5</sup> Apparent consumption represents new domestic supply and is derived by subtracting exports from the total manufacturers' shipments plus imports.

<sup>6</sup> Includes all cotton and chiefly cotton mixed with manmade fiber.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH  
SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1990

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2211B 02 2211B 42	Cotton cheesecloth and batistes.....	5208.11.2090, 5208.11.4090 5208.11.6000, 5208.11.8090 5208.12.4090, 5208.12.6090 5208.12.8090, 5208.21.2090 5208.21.4090, 5208.21.6090 5208.22.4090, 5208.22.6090 5208.22.8090, 5208.31.4090 5208.31.6090, 5208.31.8090 5208.32.3090, 5208.32.4090 5208.32.5090, 5208.51.4090 5208.51.6090, 5208.51.8090 5208.52.3090, 5208.52.4090 5208.52.5090, 5210.11.4090 5210.11.6090, 5210.11.8090 5210.21.4090, 5210.21.6090 5210.21.8090, 5210.31.4090 5210.31.6090, 5210.31.8090 5210.51.4090, 5210.51.6090 5210.51.8090, 5211.51.0090	5208.11.2090, 5208.11.4090 5208.11.9000, 5208.12.4090 5208.12.6090, 5208.12.8090 5208.21.2090, 5208.21.4090 5208.21.6090, 5208.22.4090 5208.22.6090, 5208.22.8090 5208.31.4090, 5208.31.6090 5208.31.8090, 5208.32.3090 5208.32.4090, 5208.32.5090 5208.51.4090, 5208.51.6090 5208.51.8090, 5208.52.3090 5208.52.4090, 5208.52.5090 5210.11.4090, 5210.11.6090 5210.11.8090, 5210.21.4090 5210.21.6090, 5210.21.8090 5210.31.4090, 5210.31.6090 5210.31.8090, 5210.51.4090 5210.51.6090, 5210.51.8090 5211.11.0090, 5211.21.0090 5211.31.0090, 5211.41.0090 5211.51.0090
2211B 12	Cotton print cloth.....	5208.11.4060, 5208.12.6060 5208.21.4060, 5208.22.6060 5208.31.6060, 5208.32.4060 5208.51.6060, 5208.52.4060 5210.11.6060, 5210.21.6060 5210.31.6060, 5210.51.6060	5208.11.4060, 5208.12.6060 5208.21.4060, 5208.22.6060 5208.31.6060, 5208.32.4060 5208.51.6060, 5208.52.4060 5210.11.6060, 5210.21.6060 5210.31.6060, 5210.51.6060
2211B 22	Cotton poplin and broadcloth (5.9 ounces or less per square yard).....	5208.11.2020, 5208.11.4020 5208.11.8020, 5208.12.4020 5208.12.6020, 5208.12.8020 5208.21.2020, 5208.21.4020 5208.21.6020, 5208.22.4020 5208.22.6020, 5208.22.8020 5208.31.4020, 5208.31.6020 5208.31.8020, 5208.32.3020 5208.32.4020, 5208.32.5020 5208.51.4020, 5208.51.6020 5208.51.8020, 5208.52.3020 5208.52.4020, 5208.52.5020 5210.11.4020, 5210.11.6020 5210.11.8020, 5210.21.4020 5210.21.6020, 5208.21.8020 5210.31.4020, 5210.31.6020 5210.31.8020, 5210.51.4020 5210.51.6020, 5210.51.8020	5208.11.2020, 5208.11.4020 5208.11.8020, 5208.12.4020 5208.12.6020, 5208.12.8020 5208.21.2020, 5208.21.4020 5208.21.6020, 5208.22.4020 5208.22.6020, 5208.22.8020 5208.31.4020, 5208.31.6020 5208.31.8020, 5208.32.3020 5208.32.4020, 5208.32.5020 5208.51.4020, 5208.51.6020 5208.51.8020, 5208.52.3020 5208.52.4020, 5208.52.5020 5210.11.4020, 5210.11.6020 5210.11.8020, 5210.21.4020 5210.21.6020, 5208.21.8020 5210.31.4020, 5210.31.6020 5210.31.8020, 5210.51.4020 5210.51.6020, 5210.51.8020
2211B 32 2211B 36	Cotton poplin and broadcloth (more than 5.9 ounces per square yard).....	5209.11.0020, 5209.21.0020 5209.31.6020, 5209.51.6020 5211.11.0020, 5211.21.0020 5211.31.0020, 5211.51.0020	5209.11.0020, 5209.21.0020 5209.31.6020, 5209.51.6020 5211.11.0020, 5211.21.0020 5211.31.0020, 5211.51.0020
2211B 71	Duck.....	5209.11.0090, 5209.19.0060 5209.21.0090, 5209.29.0060 5209.31.6090, 5209.39.0060 5209.51.6090, 5209.59.0060 5211.11.0090, 5211.19.0060 5211.21.0090, 5211.29.0060 5211.31.0090, 5211.39.0060 5211.51.0090, 5211.59.0060	5209.11.0090, 5209.21.0090 5209.31.6090, 5209.51.6090 5211.11.0090, 5211.21.0090 5211.31.0090, 5211.51.0090
2211B 51 2211B 62 2211B 64 2211B 66	Sheeting.....	5208.11.2040, 5208.11.4040 5208.12.4040, 5208.12.6040 5208.21.2040, 5208.21.4040 5208.22.4040, 5208.22.6040 5208.31.4040, 5208.31.6040 5208.32.3040, 5208.32.4040 5208.51.4040, 5208.51.6040 5208.52.3040, 5208.52.4040 5209.11.0030, 5209.11.0050 5209.21.0030, 5209.21.0050 5209.31.6030, 5209.31.6050 5209.51.6030, 5209.51.6050 5210.11.4040, 5210.11.6040 5210.21.4040, 5210.21.6040 5210.31.4040, 5210.31.6040 5210.51.4040, 5210.51.6040 5211.11.0030, 5211.11.0050 5211.21.0030, 5211.21.0050 5211.31.0030, 5211.31.0050 5211.51.0030, 5211.51.0050	5208.11.2040, 5208.11.4040 5208.12.4040, 5208.12.6040 5208.21.2040, 5208.21.4040 5208.22.4040, 5208.22.6040 5208.31.4040, 5208.31.6040 5208.32.3040, 5208.32.4040 5208.51.4040, 5208.51.6040 5208.52.3040, 5208.52.4040 5208.51.4040, 5208.51.6040 5208.52.3040, 5208.52.4040 5209.11.0040, 5209.21.0040 5209.31.6040, 5209.51.6040 5210.11.4040, 5210.11.6040 5210.21.4040, 5210.21.6040 5210.31.4040, 5210.31.6040 5210.51.4040, 5210.51.6040 5211.11.0040, 5211.21.0040 5211.31.0040, 5211.51.0040

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH  
SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1990--Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2211C 12	} Twills and sateens.....	5208.13.0000, 5208.19.2020	5208.13.0000, 5208.19.2000 5208.23.0000, 5208.29.2000 5208.33.0000, 5208.39.2000 5208.53.0000, 5208.59.2000 5209.12.0020, 5209.12.0040 5209.19.0020, 5209.19.0040 5209.22.0020, 5209.22.0040 5209.29.0020, 5209.29.0040 5209.32.0020, 5209.32.0040 5209.39.0020, 5209.39.0040 5209.52.0020, 5209.52.0040 5209.59.0020, 5209.59.0040 5210.12.0000, 5210.19.2020 5210.19.2090, 5210.22.0000 5210.29.2020, 5210.29.2090 5210.32.0000, 5210.39.2020 5210.39.2090, 5210.52.0000 5210.59.2020, 5210.59.2090 5211.12.0020, 5211.12.0040 5211.19.0020, 5211.19.0040 5211.22.0020, 5211.22.0040 5211.29.0020, 5211.29.0040 5211.32.0020, 5211.32.0040 5211.39.0020, 5211.39.0040 5211.52.0020, 5211.52.0040 5211.59.0020, 5211.59.0040
2211C 22		5208.19.2090, 5208.23.0000	
2211C 32		5208.29.2020, 5208.29.2090	
2211C 34		5208.33.0000, 5208.39.2020	
2211C 05		5208.39.2090, 5208.53.0000	
		5208.59.2020, 5208.59.2090	
		5209.12.0020, 5209.12.0040	
		5209.19.0020, 5209.19.0040	
		5209.22.0020, 5209.22.0040	
		5209.29.0020, 5209.29.0040	
		5209.32.0020, 5209.32.0040	
		5209.39.0020, 5209.39.0040	
		5209.52.0020, 5209.52.0040	
		5209.59.0020, 5209.59.0040	
		5210.12.0000, 5210.19.2020	
		5210.19.2090, 5210.22.0000	
		5210.29.2020, 5210.29.2090	
		5210.32.0000, 5210.39.2020	
		5210.39.2090, 5210.52.0000	
		5210.59.2020, 5210.59.2090	
		5211.12.0020, 5211.12.0040	
		5211.19.0020, 5211.19.0040	
		5211.22.0020, 5211.22.0040	
		5211.29.0020, 5211.29.0040	
		5211.32.0020, 5211.32.0040	
		5211.39.0020, 5211.39.0040	
		5211.52.0020, 5211.52.0040	
		5211.59.0020, 5211.59.0040	
2211C 01	} Blue denim.....	5209.42.0020, 5211.42.0020	5209.42.0020, 5211.42.0020 5209.42.0020, 5211.42.0040
2211C 03		5209.42.0040, 5211.42.0040	
2211E 00	Pile fabrica (including yard dyed).....	5801.21.0000-5801.26.0020 5802.11.0000, 5802.11.0000	5801.21.0000-5801.26.0000 5802.11.0000-5802.30.9000
2211X XX	Cotton yarn dyed.....	5208.41.4000-5208.41.8000 5208.42.3000-5208.42.5000 5208.43.0000-5208.49.8090 5209.41.6020, 5209.41.6040 5209.43.0020-5209.49.0090 5210.41.4000-5210.49.8090 5211.41.0020, 5211.41.0040 5211.43.0020-5211.49.0090	5208.41.9000, 5208.42.9000 5208.43.0000, 5208.49.2000 5208.49.9000, 5209.41.6070 5209.43.0000, 5209.49.0000 5210.41.0000-5210.49.9000 5211.41.0000, 5211.43.0000 5211.49.0000
2211D 12	Oxfords.....	5208.19.4020, 5208.19.6020 5208.19.8020, 5208.29.4020 5208.29.6020, 5208.29.8020 5208.39.4020, 5208.39.6020 5208.39.8020, 5208.59.4020 5208.59.6020, 5208.59.8020 5210.19.4020, 5210.19.6020 5210.19.8020, 5210.29.4020 5210.29.6020, 5210.29.8020 5210.39.4020, 5210.39.6020 5210.39.8020, 5210.59.4020 5210.59.6020, 5210.59.8020	5208.19.9000, 5208.29.9000 5208.39.9000, 5208.59.9000 5209.19.0070, 5209.29.0070 5209.39.0070, 5209.59.0070 5210.19.9000, 5210.29.9000 5210.39.9000, 5210.59.9000 5211.19.0070, 5211.29.0070 5211.39.0070, 5211.59.0070
2211D 32	} All other constructions.....	5208.19.4090, 5208.19.6090	
2211D 35		5208.19.8090, 5208.29.4090	
2211D 45		5208.29.6090, 5208.29.8090	
2211D 52		5208.39.4090, 5208.39.6090	
2211D 62		5208.39.8090, 5208.59.4090	
2211D 64		5208.59.6090, 5208.59.8090	
		5209.19.0090, 5209.29.0090	
		5209.39.0080, 5209.39.0090	
		5209.59.0090, 5210.19.4090	
		5210.19.6090, 5210.19.8090	
		5210.29.4090, 5210.29.6090	
		5210.29.8090, 5210.39.4090	
		5210.39.6090, 5210.39.8090	
		5210.59.4090, 5210.59.6090	
		5210.59.8090, 5211.19.0090	
		5211.29.0090, 5211.39.0090	
		5211.59.0090	

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH  
SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1990--Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221C 01 2221C 03	Nylon and polyester high tenacity fabrics....	5407.10.0010, 5407.10.0090	5407.10.0000
2221B 01	Rayon high tenacity fabrics.....	5408.10.0000	5408.10.0000
2221C 11	Typewriter fabrics.....	5407.41.0010, 5407.41.0020	
2221C 13 2221C 15 2221C 23 2221C 25 2221C 31 2221C 33	Other nylon filament fabrics.....	5407.41.0030-5407.44.0060	5407.41.0000-5407.44.0000
2221B 21 2221B 23 2221B 25 2221B 27 2221B 41 2221B 43 2221B 51 2221B 53	Rayon and acetate filament yarn fabrics.....	5408.21.0030-5408.24.0060	5408.21.0000-5408.24.0000
2221C 43 2221C 44 2221C 45 2221C 50 2221C 62 2221C 66 2221C 73	Polyester filament yarn fabric.....	5407.51.0020, 5407.51.0040 5407.51.0060, 5407.52.2020 5407.52.2040, 5407.52.2060 5407.53.2020, 5407.53.2040 5407.53.2060, 5407.54.0020 5407.54.0040, 5407.54.0060 5407.60.2005, 5407.60.2010 5407.60.2015, 5407.60.2025 5407.60.2030, 5407.60.2035 5407.60.2045, 5407.60.2050 5407.60.2055, 5407.60.2065 5407.60.2070, 5407.60.2075	5407.51.0000, 5407.52.0000 5407.53.0000, 5407.54.0000
2221C 82 2221C 89	Glass fiber fabrics.....	7019.20.2000, 7019.20.5000	7019.20.4000
2221C 92 2221C 93	All other filament yarn fabrics.....	5407.71.0030-5407.74.0060	5407.71.0000-5407.74.0000
2221D 04 2221D 08 2221D 43 2221D 44	Chiefly manmade fiber cheesecloth, lawns, and batistes.....	5512.11.0040, 5512.19.0035 5512.21.0040, 5512.29.0030 5512.91.0040, 5512.99.0030 5513.11.0090, 5513.19.0040 5513.21.0090, 5513.29.0040 5513.41.0090, 5513.49.0040 5515.11.0030, 5515.19.0030 5515.29.0030, 5515.99.0030 5516.41.0040, 5516.42.0040 5516.44.0040, 5516.91.0040 5516.92.0040, 5516.94.0040	
2221D 24 2221D 26	Poplin and broadcloth poly/cotton (5.0 ounces or less per square yard).....	5513.11.0020, 5513.21.0020 5513.41.0020	
2221D 28 2221D 32	Poplin and broadcloth poly/cotton (over 5.0 ounces per square yard).....	5514.11.0020, 5514.21.0020 5514.41.0020	
2211D 34	Poplin and broadcloth, all other spun yarn...	5512.11.0010, 5512.19.0015 5512.21.0010, 5512.29.0015 5512.91.0010, 5512.99.0015 5513.19.0010, 5513.29.0010 5513.49.0010, 5514.19.0010 5514.29.0010, 5514.49.0010 5515.11.0015, 5515.19.0015 5515.29.0015, 5515.99.0015 5516.41.0010, 5516.42.0010 5516.44.0010, 5516.91.0010 5516.92.0010, 5516.94.0010	

See footnote at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH  
SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1990--Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221D 14	Poly/cotton print cloth.....	5513.11.0060, 5513.21.0060 5513.41.0060	
2221D 16 2221D 18	} Other spun yarn, chiefly manmade fiber print cloth.....	5512.11.0030, 5512.19.0030 5512.21.0030, 5512.29.0025 5512.91.0030, 5512.99.0025 5513.19.0030, 5513.29.0030 5513.49.0030, 5515.11.0025 5515.19.0025, 5515.29.0025 5515.99.0025, 5516.41.0030 5516.42.0030, 5516.44.0030 5516.91.0030, 5516.92.0030 5516.94.0030	
2221D 88 2221D 92		5512.11.0050, 5512.19.0040 5512.21.0050, 5512.29.0035 5512.91.0050, 5512.99.0035 5514.11.0090, 5514.13.0040 5514.19.0030, 5514.21.0090 5514.23.0040, 5514.29.0030 5514.41.0090, 5514.43.0040 5514.49.0030, 5515.11.0035 5515.19.0035, 5515.29.0035 5515.99.0035, 5516.41.0050 5516.42.0050, 5516.44.0050 5516.91.0050, 5516.92.0050 5516.94.0050	
2221D 51 2221D 53 2221D 74 2221D 76		5513.11.0040, 5513.21.0040 5513.41.0040, 5514.11.0030 5514.11.0050, 5514.21.0030 5514.21.0050, 5514.41.0030 5514.41.0050	
2221D 55 2221D 64 2221D 66 2221D 82 2221D 84 2221D 86		5512.11.0022, 5512.11.0027 5512.19.0022, 5512.19.0027 5512.21.0020, 5512.29.0020 5512.91.0020, 5512.99.0020 5513.19.0020, 5513.29.0020 5513.49.0020, 5514.19.0020 5514.29.0020, 5514.49.0020 5515.11.0020, 5515.19.0020 5515.29.0020, 5512.99.0020 5516.41.0022, 5516.41.0027 5516.42.0022, 5516.42.0027 5516.44.0022, 5516.44.0027 5516.91.0020, 5516.92.0020 5516.94.0020	5512.11.0000-5514.49.0000 5515.11.0000, 5515.19.0000 5515.29.0000, 5515.99.0000 5516.41.0000-5516.94.0000
2221E 03 2221G 46		5512.19.0010, 5512.29.0010 5512.99.0010, 5514.32.0010 5514.39.0010, 5515.11.0010 5515.19.0010, 5515.29.0010 5515.99.0010, 5516.43.0010 5516.93.0010	
2221E 14 2221E 22 2221E 24 2221E 26 2221E 28 2221F 05 2221F 07		5512.11.0060, 5512.19.0045 5512.21.0060, 5512.29.0040 5512.91.0060, 5512.99.0040 5513.12.0000, 5513.13.0020 5513.19.0050, 5513.22.0000 5513.23.0020, 5513.29.0050 5513.42.0000, 5513.43.0020 5513.49.0050, 5514.12.0020 5514.12.0040, 5514.13.0020 5514.19.0040, 5514.22.0020 5514.22.0040, 5514.23.0020 5514.29.0040, 5514.42.0020 5514.42.0040, 5514.43.0020 5514.49.0040, 5515.11.0040 5515.19.0040, 5515.29.0040 5515.99.0040, 5516.11.0020 5516.12.0020, 5516.14.0020 5516.41.0060, 5516.42.0060 5516.44.0060, 5516.91.0060 5516.92.0060, 5516.94.0060	
2221F 12 2221F 16		5512.11.0070, 5512.19.0050 5512.21.0070, 5512.29.0045 5512.91.0070, 5512.99.0045 5513.13.0040, 5513.19.0060 5513.23.0040, 5513.29.0060 5513.43.0040, 5513.49.0060 5515.11.0045, 5515.19.0045 5515.29.0045, 5515.99.0045 5516.41.0070, 5516.42.0070 5516.44.0070, 5516.91.0070 5516.92.0070, 5516.94.0070	

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH  
SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1990—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221X XX	Manmade fiber yarn dyed.....	5512.19.0005, 5512.29.0005 5512.99.0005, 5513.31.0000-5513.39.0090 5514.31.0000, 5514.32.0090 5514.33.0010, 5514.33.0090 5514.39.0020, 5514.39.0090 5515.11.0005, 5515.19.0005 5515.29.0005, 5515.99.0005 5516.13.0000, 5516.43.0020-5516.43.0090 5516.93.0020, 5516.93.0090	
2221F 33	All other manmade fiber spun yarn.....	5512.11.0090, 5512.19.0090	
2221F 36		5512.21.0090, 5512.29.0090	
2221F 42		5512.91.0090, 5512.99.0090	
2221F 44		5513.13.0090, 5513.19.0090	
2221F 52		5513.23.0090, 5513.29.0090	
2221F 54		5513.43.0090, 5513.49.0090	
2221F 56		5514.13.0090, 5514.19.0090	
2221F 58		5514.23.0090, 5514.29.0090 5514.43.0090, 5514.49.0090 5515.11.0090, 5515.19.0090 5515.29.0090, 5515.99.0090 5516.41.0090, 5516.42.0090 5516.44.0090, 5516.91.0090 5516.92.0090, 5516.94.0090	
2221H 21	Manmade/wool blends, chiefly manmade.....	5407.91.1000, 5407.92.1000	
2221H 22		5407.93.1000, 5407.94.1000	
2221H 92		5408.31.1000, 5408.32.1000	
2221H 98		5408.33.1000, 5408.34.1000	
		5515.13.0000, 5515.13.1000	
		5515.22.0000, 5515.22.1000	
2221G 04	Spun/filament combinations.....	5515.92.0000, 5515.92.1000 5516.31.0000-5516.34.1000	
2221G 07		5407.81.0010-5407.84.0090	
2221G 19		5407.91.2020-5407.91.2090	
2221G 21		5407.92.2020-5407.92.2090	
2221G 33		5407.93.2020-5407.93.2090	
2221G 45		5407.94.2020-5407.94.2090	
2221G 48		5408.31.2020-5408.31.2090	
2221G 39		5408.32.9020-5408.32.9090	
2221G 63		5408.33.9020-5408.33.9090	
2221G 68		5408.34.9020-5408.34.9090	
2221G 82		5515.12.0010-5515.12.0090	
2221G 84		5515.21.0010-5515.21.0090	
2221G 87		5515.91.0010-5515.91.0090 5516.21.0010-5516.24.0090	5407.81.0000-5407.94.0000 5408.31.0000-5408.34.0000 5515.12.0000, 5515.21.0000 5515.91.0000, 5516.21.0000-5516.24.0000
2221H 01	Manmade fiber pile.....	5801.31.0000-5801.36.0000	5801.31.0000-5801.36.0000
2221H 11		5802.20.0020, 5802.30.0030	5802.20.0000, 5802.30.0000
2221H 31	Silk fabrics.....	5007.10.3020-5007.90.6090	5007.10.0000-5007.90.0000
22312 01	Wool fabrics.....	5111.11.6000-5112.90.6090	
22312 02		5212.11.1010, 5212.11.1020	
22312 21		5212.12.1010, 5212.12.1020	
22312 23		5212.13.1010, 5212.13.1020	
22312 62		5212.14.1010, 5212.14.1020	
22312 85		5212.15.1010, 5212.15.1020	
		5212.21.1010, 5212.21.1020	
		5212.22.1010, 5212.22.1020	
		5212.23.1010, 5212.23.1020	
		5212.24.1010, 5212.24.1020	
		5212.25.1010, 5212.25.1020	
		5407.91.0510, 5407.91.0520	
		5407.92.0510, 5407.92.0520	
		5407.93.0510, 5407.93.0520	
		5407.94.0510, 5407.94.0520	
		5408.31.0510, 5408.31.0520	
		5408.32.0510, 5408.32.0520	
		5408.33.0510, 5408.33.0520	
		5408.34.0510, 5408.34.0520	
		5515.13.0510, 5515.13.0520	
		5515.22.0510, 5515.22.0520	
		5515.92.0510, 5515.92.0520	
		5516.31.0510, 5516.31.0520	
		5516.32.0510, 5516.32.0520	
		5516.33.0510, 5516.33.0520	
		5516.34.0510, 5516.34.0520	
		5801.10.0000	5111.11.0000-5112.90.0000 5801.14.0000

<sup>1</sup> Source: 1990 edition, Harmonized System-Based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

<sup>2</sup> Source: Harmonized Tariff Schedule of the United States, Annotated (1990).



## DESCRIPTION OF SURVEY

**Scope of Survey.** This survey covers all companies manufacturing broadwoven fabrics (gray) in the United States, except very small firms (generally less than 5 employees) for which 1987 Census of Manufactures data were derived from administrative records of other Government agencies.

**Survey Methodology.** The statistics in this publication were collected by mail on Bureau of the Census quarterly Form MQ22T, Broadwoven Fabrics (Gray). The survey panel includes all known manufacturers of broadwoven fabrics (gray), except those very small firms excluded from the scope of the survey. Approximately 400 establishments are included.

**Reliability of Data.** Survey error may result from several sources: (1) inability to obtain information about all cases in the survey, (2) response errors, (3) definitional difficulties, (4) differences in the interpretation of questions, (5) mistakes in recording or coding the data obtained, and (6) other errors of collection, response, coverage, and estimation for missing data. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is due to imputing data for nonrespondents, for late reporters, and for data which failed the edit. Missing figures are imputed based on quarter-to-quarter movements shown by reporting firms. Imputation generally is limited to a maximum of 10 percent for any one data cell. Figures with imputation rates greater than 10 percent are footnoted.

The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse, because the actual quarterly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is not precisely known, but is assumed to be small. The degree of uncertainty regarding the accuracy of the published data, however, increases as the percentage of imputation increases. Figures with imputation rates above 25 percent should be used with caution.

**Revisions to Previous Period Data.** Statistics for previous quarters may be revised as the result of corrected data from respondents, including the receipt of late reports for which imputations were made as described above. Figures which have been revised by more than 5 percent from previously published figures are indicated by footnotes.

## EXPLANATION OF TERMS

*Woolen and Worsted Fabrics, Chiefly Wool.* Fabrics 36 percent or more by weight of wool, reprocessed wool, or reused wool. Apparel fabrics include all fabrics that may be labeled as being made entirely of wool, reprocessed wool, and reused wool under the Wool Products Labeling Act. This includes blends of wool of sheep with, and fabrics entirely of mohair, cashmere, camel hair, alpaca, llama, and vicuna.

*Cotton Fabrics.* Fabrics wholly or chiefly by weight of cotton.

*Manmade Fiber Fabrics.* Fabrics wholly or chiefly by weight of manmade fibers.

*Blends and Mixtures.* Fabrics made from more than one fiber are classified in the same way as other fabrics, i.e., according to whether the fabric is chiefly cotton, wool, or manmade fiber. As examples, a fabric which is 55 percent cotton and 45 percent rayon is classified as cotton; a fabric which is 40 percent cotton, 30 percent rayon, and 30 percent acetate is classified as manmade.

Blends and mixture which are by weight 50 percent natural fiber and 50 percent manmade fiber are, for purposes of continuity, classified in the manmade category.

*Production.* Represents total production of broadwoven gray fabrics by all weaving mills regardless of their primary activity.

*Units of Quantity.* Production is reported in thousands of square yards except for woven felts, tire cord and tire cord fabrics, which are reported in thousands of pounds.

*Looms Operating.* Represents number of looms operating at the end of the quarter, assigned to the specific fabrics.

*Spun Yarn Fabrics.* Includes all fabrics that contain 85 percent or more spun yarns.

*Filament Yarn Fabrics.* Includes all fabrics that contain 85 percent or more filament yarns.

*Spun/Filament Combinations.* Includes fabrics that are combinations of spun and filament yarn where neither the spun or filament yarns exceed 85 percent.

*Plain Weave Fabrics.* A fabric construction in which each yarn of the weft passes alternately over and under successive yarns of the warp and each yarn of the warp passes alternately over and under successive yarns of the weft.



*Tobacco, Cheese, and Bandage Cloth.* Fabrics of plain weave, weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) consisting of 85 or less warp ends and filling picks per square inch whether or not napped.

*Print Cloth.* Fabrics of plain weave, weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) of average yarn numbers 26-40, consisting of more than 85 singles yarns per square inch, of square construction, whether or not of yarns of different colors (yarn dyed), whether or not napped.

*Poplin and Broadcloth.* Fabrics of plain weave, not of square construction, whether or not napped, but does not include the following types—fabrics weighing not more than 5.9 ounces per square yard, containing 85 or less warp ends and filling picks per square inch, or fabrics weighing more than 5.9 ounces per square yard of average yarn number 15 or lower.

*Lawns, Voiles, and Batistes.* Fabrics of plain weave weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) consisting of more than 85 warp ends and filling picks per square inch, of square construction, of average yarn number 41 or higher, whether or not napped.

*Sheeting.* Fabrics of plain weave, whether or not napped, of the following types:

Fabrics weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), of square construction, containing more than 85 warp end and filling picks per square inch, of average yarn number 40 or lower, but not including print cloth.

Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) but does not include fabrics of which the warp or filling, or both, consists of multiple (folded) or cabled yarns, of average yarn number 15 or lower or fabrics of average yarn number 16 or higher number, not of square construction.

*Twill Weave Fabrics.* Fabrics in which the warp and filling yarns are interlaced in such a manner as to produce a diagonal or bias effect on the face of the fabric.

*Blue Denim.* Fabrics of 3 or 4- thread twill, including broken twill, warp faced, the warp yarns of which are dyed blue and the weft yarns of which are unbleached, bleached, dyed grey or colored a lighter shade of blue than that of the warp yarns.

*All Other Denim.* Includes sport denims and all other denim not include above.

*Canton Flannel.* Fabric woven with a four-harness warp face twill with heavy, soft filling yarn, and a medium count warp. A long nap is raised on the back.

*Sateens.* Fabrics woven with a satin weave, whether or not napped, in which the surface of the cloth consists almost entirely of warp or filling floats; that is, in the repeat of a weave pattern, each yarn of one system passes over several yarns of the other system before interlacing.

*Oxfords.* Fabrics weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), whether or not napped, woven as plain weave except that two or more warp ends are woven as one (taped warp). Oxford cloth is not to be classified as a plain weave fabric.

*Duck.* Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), of average yarn number 15 or lower number, whether or not napped, of a plain weave where the warp or filling or both, consists of multiple (folded) or cabled yarns.

*Taped Warp Duck.* Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces (chiefly cotton fabric), of average yarn number 15 or lower number, whether or not napped, of a plain weave except that two or more warp ends are woven as one (tape warp) whether or not containing multiple (folded) or cabled yarns.

*Shirting, Jacquard or Dobby.* Fabrics weighing not more than 5 ounces per square (chiefly manmade fiber) or 5.9 ounces per square yard (chiefly cotton fiber) whether or not napped, woven wholly or in part with jacquard or dobby attachment.

*Table Damask.* Fabrics, whether or not napped, woven wholly or in part with jacquard or dobby attachment characterized by elaborate decorative designs, usually of floral patterns. The designs are reversible and are formed by warp-face satin weave. Table damask is generally all white, although it is sometimes made with colored stripes or in solid pastel shades.

*High Tenacity Yarn Fabric.* Fabric made from yarns having a tenacity, expressed in centinewtons per tex (cN/tex) greater than 60 cN/tex for multiple (folded) or cabled yarns of nylon or polyester; or 27 cN/tex for multiple (folded), cabled, or singles yarns of viscose rayon.



*Flat Filament Fabrics.* Fabrics containing filament yarns having less than twelve turns per inch.

## COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

The trade comparisons shown in this report should be considered only as approximations. Several problems prevent precise comparisons among imports, exports, and domestic output. These problems include the following:

- Export and import comparisons do not account for the origin of materials used to manufacture the finished product. Domestic output includes any goods that undergo substantial transformation into a finished product in the U.S., even if the goods are partially constructed abroad or are constructed of imported materials.
- There will be a lag between the time a producer makes or ships a product and the time it is actually exported. Similarly, there may be a lag between the time a product is imported and when it enters into U.S. distribution channels.
- The basic structure of these classification systems differ. The Standard Industrial Classification (SIC) system used for domestic output was developed independently of the Harmonized System (HS) used to classify imports and exports. The level of detail provided by the different systems varies substantially, reflecting their different objectives. For example, there are a number of imported commodities that have no comparable domestic output classification.
- Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of domestic output data for such commodities may contain some duplication.
- Import and export data reflect the movement of merchandise into and out of U.S. foreign trade zones, the U.S. Virgin Islands, and the U.S. customs territory of the 50 States, the District of Columbia, and Puerto Rico. Domestic output reflects activity in the 50 States and, only if specified, in Puerto Rico.
- Import and export data generally do not distinguish between new, used or rebuilt commodities.
- The valuation of the three data sets differ. Domestic output is valued at the point of production. It includes the net sales price, f.o.b. plant, after discounts and allowances, and excludes freight charge and excise taxes. Exports are valued at the point of exportation. It includes the net sales price or value, and inland freight, insurance and other charges to the export

point. Imports are valued at the first port of entry in the United States. They include the cost, insurance, freight, duty, and other charges to the import point.

- Detailed commodity information is not included for individual export or import shipments at or below a certain dollar limit. This dollar limit is \$2,500 for exports and \$1,250 for imports, except for import of textiles and textile products, gloves, footwear, and miscellaneous rubber and plastics products, where the limit is \$250.

## RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report summarizes quarterly figures and incorporates known revisions for both current and previous year. It also provides a single reference copy to replace the quarterly publications.

The Bureau of the Census also publishes the following related reports:

Series	Frequency	Title
<i>Current Industrial Reports</i>		
M22D	Monthly	<i>Consumption on the Woolen System and Worsted Combing</i>
M22P	Monthly	<i>Consumption on the Cotton System and Stocks</i>
MQ23X	Quarterly	<i>Sheets, Pillowcases, and Towels</i>
MA22F.1	Annually	<i>Textured Yarn Production</i>
MA22F.2	Annually	<i>Spun Yarn Production</i>
MA22G	Annually	<i>Narrow Fabrics</i>
MA22K	Annually	<i>Knit Fabric Production</i>
MA22Q	Annually	<i>Carpet and Rugs</i>
MA22M	Biennially	<i>Stocks of Wool and Related Fibers</i>
MA23A	Annually	<i>Apparel</i>
MA23D	Annually	<i>Gloves and Mittens</i>

### *Other Industry Reports*

M3-1	Monthly	<i>Manufacturers' Shipments, Inventories, and Orders</i>
(AS)	Annually	<i>Annual Survey of Manufacturers (ASM)</i>
(MC)	Quinquennially	<i>Census of Manufactures</i>

### *Foreign Trade Reports*

EM 545	Monthly	<i>U.S. Exports—Schedule B—Commodity by Country</i>
FT 446	Annually	



Series	Frequency	Title	Subject Area	Contact	Phone Number
IM 145	Monthly	<i>U.S. Imports for</i>			
FT 246	Annually	<i>Consumption—HTSUSA— Commodity by Country</i>	Census/ASM	Ted McGrath	(301) 763-5152

#### CONTACTS FOR DATA USERS

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Classification Systems Comparability	Francis McCormick (ESD)	(301) 763-1935	To order a Current Industrial Report	Superintendent of Documents (GP0)	(202) 783-3238
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# Broadwoven Fabrics (Gray)

SECOND QUARTER 1990

MQ22T(90)-2  
Issued November 1990

The statistics in this publication are based on a survey of manufactures and represent total U.S. production of broadwoven fabrics over 12 inches. Estimates are included for companies whose reports were not received in time

for tabulation. A description of the survey methodology and related information appears in the first quarter report for this series, MQ22T(90)-1, issued July 1990.

This report is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100.

Table 1. SUMMARY OF PRODUCTION OF BROADWOVEN GRAY FABRICS, BY TYPE OF FABRIC: 1985 TO 1990

(Millions of square yards)

Year	Chiefly cotton fabrics	Manmade fiber fabrics, including silk and manmade/wool blends	Chiefly wool fabric	Tire cord and tire cord fabrics
1990				
Second quarter.....	1,119.7	2,641.6	39.5	180.3
First quarter.....	1,194.4	2,708.0	38.8	180.0
1989				
Fourth quarter.....	1,105.8	2,714.6	37.0	161.4
Third quarter.....	1,134.3	2,670.0	40.1	172.0
Second quarter.....	1,191.8	2,782.2	50.9	179.3
First quarter.....	1,157.2	2,796.0	48.3	175.7
1988				
Fourth quarter.....	1,052.3	2,847.7	43.9	168.9
Third quarter.....	1,072.2	2,735.6	43.0	169.5
Second quarter.....	1,255.0	2,877.6	53.0	157.7
First quarter.....	1,252.1	2,908.8	50.6	153.8
1987				
Fourth quarter.....	1,178.2	2,945.9	40.9	126.8
Third quarter.....	1,219.1	2,787.7	36.0	122.1
Second quarter.....	1,216.9	2,764.0	45.9	121.9
First quarter.....	1,158.0	2,736.7	46.0	124.5
1986				
Fourth quarter.....	1,129.3	2,785.4	30.2	116.0
Third quarter.....	1,095.2	2,561.5	27.8	105.9
Second quarter.....	1,102.6	2,659.8	41.2	108.8
First quarter.....	1,037.0	2,757.5	40.2	112.8
1985				
Fourth quarter.....	955.4	2,696.4	34.0	112.2
Third quarter.....	933.0	2,652.6	24.3	107.9
Second quarter.....	1,001.7	2,685.7	39.5	129.5
First quarter.....	1,030.3	2,761.9	40.6	145.9

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Karen Harshbarger, (301) 763-2553.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.



Table 2. SUMMARY OF PRODUCTION AND LOOM ASSIGNMENTS OF BROADWOVEN GRAY FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1990		First quarter 1990		Production, year-to-date (M sq. yards)
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)	
	Cotton and chiefly cotton fabrics mixed mainly or solely with manmade fibers.....	34,155	1,119,689	36,054	1,194,422	2,314,111
2211B 00	Plain weaves.....	16,757	583,803	17,762	630,503	1,214,306
2211C 00	Twill weaves.....	7,302	295,152	6,948	292,088	587,240
2211D 00	All other weaves except pile.....	4,462	118,060	5,093	133,253	251,313
2211E 00	Pile fabrics.....	5,634	122,674	6,251	138,578	261,252
	Chiefly cotton fabrics mixed mainly or solely with other than manmade fibers.....	(D)	(D)	(D)	(D)	(D)
	Manmade fiber and silk gray broadwoven fabrics.....	67,840	2,641,559	70,560	2,708,034	5,349,593
2221B 00	85 percent or more filament rayon and/or acetate fabrics.....	8,429	165,121	8,267	156,218	321,339
2221C 00	85 percent or more filament fabrics, except rayon and/or acetate.....	16,902	1,153,595	17,870	1,175,860	2,329,455
	85 percent or more spun yarn fabrics, except wool blends.....	33,603	1,000,143	35,952	1,053,481	2,053,624
2221D 00	Plain weave, except pile.....	26,461	837,913	29,202	881,651	1,719,564
2221E 00	Twill weave, except pile.....	3,934	101,863	3,721	113,447	215,310
2221F 00	All other weaves, except pile.....	3,208	60,367	3,029	58,383	118,750
2221G 00	Spun/filament yarn combinations.....	(D)	(D)	(D)	(D)	(D)
2221H 10	Pile fabrics.....	777	13,492	786	15,035	28,527
2221H 2X	All other chiefly manmade fiber fabrics, including chiefly manmade fiber blends with wool.....	(D)	(D)	(D)	(D)	(D)
2221H 31	Silk fabrics.....	85	175	87	196	371
	Woolen and worsted fabrics.....	2,018	39,502	1,960	38,804	79,186

(D) Data withheld to avoid disclosing figures for individual companies.

† Revised by 5 percent or more from previously published figures.

Table 3. SUMMARY OF PRODUCTION OF BROADWOVEN FABRIC BY TEXTILE CATEGORY

(Thousands of square yards)

Product description	Production during quarter		Production year-to-date
	Second quarter 1990	First quarter 1990	
Blue denim.....	167,522	170,692	338,214
All other yarn dyed fabric.....	122,762	125,145	247,907
Plain weave.....	25,970	27,869	53,839
Twill weave.....	36,552	32,667	69,219
All other weave.....	60,240	64,609	124,849
Cheesecloth and batistes.....	344,735	360,518	705,253
Duck.....	(D)	(D)	(D)
Oxfords.....	15,815	18,000	33,815
Pile fabrics.....	136,166	153,613	289,779
Special weave fabric.....	83,926	89,399	173,325
Other fabrics, chiefly cotton fiber:			
Print cloth.....	83,846	98,087	181,933
Poplin and broadcloth.....	36,737	32,902	69,639
Sheeting.....	151,112	178,421	329,533
Twill.....	93,038	91,100	184,138
Sateens.....	12,014	14,032	26,046
Other fabrics, chiefly manmade fiber:			
Manmade/wool blends.....	(D)	(D)	(D)
85 percent or more filament yarn fabrics:			
Typewriter fabric.....	24,604	24,296	48,900
Other nylon.....	102,747	123,764	226,511
Rayon and acetate.....	165,121	156,218	321,339
Polyester.....	152,569	149,439	302,008
Glass fiber.....	107,912	109,924	217,836
All other.....	765,763	768,437	1,534,200
85 percent or more spun yarn fabrics:			
Print cloth.....	181,512	191,058	372,570
Poplin and broadcloth.....	167,818	161,656	329,474
Sheeting.....	414,485	447,901	862,386
Twill and sateens.....	107,985	118,177	226,162
Spun filament combinations except blue denim:			
Print cloth.....	89,188	89,036	178,224
Poplin and broadcloth.....	45,258	46,018	91,272
Sheeting.....	37,185	38,818	76,003
Twill and sateens.....	22,910	24,513	47,423
Other.....	99,580	96,678	196,258
Wool fabrics.....	39,502	38,804	78,306
Silk fabrics.....	175	196	371

(D) Data withheld to avoid disclosing figures for individual companies.

† Revised by 5 percent or more from previously published figures.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND FLEE FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1990		First quarter 1990	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
2211B 02	Tobacco, cheese, and bandage cloth.....	4,753	351,674	4,786	364,129
2221D 04	More than 50 percent cotton.....	4,316	295,442	4,278	302,858
2221D 08	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221D 04	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2221G 04	Spun-filament combinations.....	(D)	(D)	(D)	(D)
2211B 12	Print cloth.....	14,218	354,546	16,185	378,181
2221D 14	More than 50 percent cotton.....	5,246	83,846	5,744	98,087
2221D 16	Chiefly spun polyester mixed with cotton.....	5,461	141,781	5,744	143,556
2221D 16	Chiefly spun polyester mixed with rayon.....	1,325	21,239	2,554	33,619
2221D 18	All other fabrics, 85 percent or more spun yarn.....	<sup>a</sup> 592	<sup>a</sup> 18,492	<sup>a</sup> 631	<sup>a</sup> 13,883
2221G 07	Spun/filament combinations.....	1,594	89,188	1,512	89,036
2211B 22	Poplin and broadcloth.....	8,037	272,193	7,949	264,183
2211B 26	More than 50 percent cotton.....	1,563	44,157	1,370	41,276
2211B 26	Weighing 5.9 ounces or less per square yard.....	1,291	32,370	1,164	31,509
2211B 32	Carded.....	820	17,644	741	15,746
2211B 36	Combed.....	471	14,726	423	15,763
2211B 36	Weighing more than 5.9 ounces per square yard.....	272	11,787	206	9,767
2221D 24	Carded.....	(D)	(D)	(D)	(D)
2221D 26	Combed.....	(D)	(D)	(D)	(D)
2221D 28	Chiefly spun polyester mixed with cotton.....	4,498	147,357	4,328	146,438
2221D 28	Weighing 5.0 ounces or less per square yard.....	4,308	138,077	4,045	133,512
2221D 32	Carded.....	3,422	97,424	2,912	79,072
2221D 32	Combed.....	886	40,653	1,133	54,440
2221D 36	Weighing more than 5.0 ounces per square yard.....	190	9,280	283	12,926
2221D 36	Carded.....	60	3,772	148	7,453
2221D 36	Combed.....	130	5,508	135	5,473
2221D 32	All other fabrics, 85 percent or more spun yarn.....	1,104	35,421	<sup>r</sup> 1,372	30,398
2221G 19	Spun/filament combinations.....	872	45,258	879	46,014
2211B 42	Lawns, voiles, and batistes.....	384	4,045	614	7,474
2221D 43	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221D 44	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221G 21	All other fabrics, 85 percent or more spun yarn.....	-	-	-	-
2221G 21	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211B 72	Duck, including taped warp duck.....	822	17,032	798	15,234
2221D 82	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221D 88	Chiefly spun polyester mixed with cotton.....	168	2,718	174	2,776
2221D 92	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2221G 77	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211B 51	Bedsheeting.....	14,192	452,646	14,492	481,590
2221D 51	More than 50 percent cotton.....	3,333	100,757	3,348	104,310
2221D 53	Chiefly spun polyester mixed with cotton.....	10,322	319,534	10,618	344,080
2221D 55	Carded.....	1,855	80,702	1,735	82,749
2221D 55	Combed.....	8,467	238,832	8,883	261,331
2221G 33	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2221G 33	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211B 62	All other sheeting, including osnaburgs.....	4,119	153,726	<sup>r</sup> 5,339	<sup>r</sup> 187,808
2221D 62	More than 50 percent cotton.....	1,909	52,213	2,553	76,482
2221D 64	Weighing 5.9 ounces or less per square yard.....	1,559	37,344	2,163	57,932
2221D 64	Weighing more than 5.9 ounces per square yard.....	350	14,869	390	18,550
2221D 66	Blanketing.....	205	8,532	187	7,593
2221D 66	All other fabric.....	145	6,337	203	10,957
2221D 66	85 percent or more spun polyester.....	214	6,519	280	11,175
2221D 66	Blanketing.....	(D)	(D)	(D)	(D)
2221D 66	All other fabric.....	(D)	(D)	(D)	(D)
2221D 74	Chiefly spun polyester mixed with cotton.....	1,226	57,197	<sup>r</sup> 1,289	<sup>r</sup> 54,158
2221D 74	Weighing 5.0 ounces or less per square yard.....	902	46,337	<sup>r</sup> 982	<sup>r</sup> 44,045
2221D 76	Weighing more than 5.0 ounces per square yard.....	324	10,860	<sup>r</sup> 307	<sup>r</sup> 10,113
2221D 82	Chiefly spun acrylic.....	185	10,397	<sup>r</sup> 194	<sup>r</sup> 10,797
2221D 82	Blanketing.....	(D)	(D)	(D)	(D)
2221D 84	All other fabric.....	(D)	(D)	(D)	(D)
2221D 86	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2221G 45	Spun/filament combinations.....	(D)	(D)	(D)	(D)

See footnotes at end of table.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS--Continued

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1990		First quarter 1990	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
2211C 01	Blue denim.....	3,149	167,522	3,209	170,692
2211C 03	More than 50 percent cotton.....	3,114	165,872	3,190	169,187
2221E 03	Weighing 10.7 ounces or less per square yard.....	471	24,991	346	19,005
2221G 46	Weighing more than 10.7 ounces per square yard.....	2,643	140,881	2,844	150,182
	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211C 12	All other denim.....	817	41,307	822	36,050
2211C 14	More than 50 percent cotton.....	805	40,956	815	35,149
2221E 14	Weighing 10.7 ounces or less per square yard.....	99	4,712	72	3,651
2221G 48	Weighing more than 10.7 ounces per square yard.....	706	36,244	743	31,498
	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
	Spun filament combinations.....	(D)	(D)	(D)	(D)
2211C 22	Canton flannels.....	437	4,917	401	4,697
	All other twill weaves.....	7,276	197,265	6,646	209,246
2211C 32	More than 50 percent cotton.....	2,946	83,407	2,542	83,055
2211C 34	Weighing 5.9 ounces or less per square yards.....	1,511	35,341	1,175	35,675
2221E 22	Weighing more than 5.9 ounces per square yard.....	1,435	48,066	1,367	47,380
	85 percent or more spun polyester.....	147	3,640	108	1,007
2221E 24	Chiefly spun polyester mixed with cotton.....	2,362	78,074	2,531	98,210
2221E 26	Weighing 5.0 ounces or less per square yard.....	491	11,093	528	13,125
2221E 28	Weighing more than 5.0 ounces per square yard.....	1,871	66,981	2,003	85,085
2221G 39	All other fabrics, 85 percent or more spun yarn.....	1,413	19,798	1,075	13,329
	Spun/filament combinations.....	408	12,346	390	13,645
2211D 05	Sateens.....	1,049	29,010	1,172	30,614
2211F 05	More than 50 percent cotton.....	339	12,014	459	14,032
2221F 07	Chiefly spun polyester mixed with cotton.....	141	3,016	203	3,271
2221G 63	All other fabrics, 85 percent or more spun yarn.....	160	3,416	133	2,443
	Spun/filament combinations.....	409	10,564	377	10,868
2211D 12	Oxfords.....	933	42,046	967	45,858
2221F 12	More than 50 percent cotton.....	622	31,292	664	35,712
2221F 16	Chiefly spun polyester mixed with cotton.....	148	6,069	160	6,889
2221G 68	All other fabrics, 85 percent or more spun yarn.....	6	300	5	149
	Spun/filament combinations.....	157	4,385	138	3,108
2211D 32	Birdseye diaper cloth.....	(D)	(D)	(D)	(D)
2211D 35	Huck and crash toweling.....	(D)	(D)	(D)	(D)
2211D 45	Table damask.....	329	11,645	394	11,702
2221F 33	More than 50 percent cotton.....	66	915	(D)	(D)
2221F 36	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221G 82	All other fabrics, 85 percent or more spun yarn.....	-	-	-	-
	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211D 52	Jacquard and dobby shirting fabrics.....	347	7,901	415	8,987
2221F 42	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221F 44	Chiefly spun polyester mixed with cotton.....	111	1,103	114	1,436
2221G 84	All other fabric, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211D 62	All other weaves.....	7,826	155,732	7,877	161,939
2211D 64	More than 50 percent cotton.....	2,286	38,397	2,786	48,352
2221F 52	Weighing 5.9 ounces or less per square yard.....	875	17,608	1,270	21,063
	Weighing more than 5.9 ounces per square yard.....	1,411	20,789	1,516	27,289
	85 percent or more spun polyester.....	402	7,382	391	5,652
	Chiefly spun polyester mixed with cotton.....	1,046	11,855	909	12,399
2221F 54	Weighing 5.0 ounces or less per square yard.....	379	5,842	335	4,736
2221F 56	Weighing more than 5.0 ounces per square yard.....	667	6,013	574	7,663
2221F 58	All other fabrics, 85 percent or more spun yarn.....	906	15,818	765	14,673
2221G 87	Spun/filament combinations.....	3,186	82,280	3,026	80,863

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report for this series, MQ22T(90)-1, issued July 1990, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.



Table 5. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE FILAMENT YARN FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1990		First quarter 1990	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	85 percent or more filament yarn fabrics.....	25,331	1,318,716	26,137	1,332,078
	High tenacity yarn fabrics.....	966	21,450	1,034	21,090
221B 01	100 percent and chiefly rayon.....	469	4,752	466	5,063
221C 01	100 percent and chiefly nylon.....	241	8,473	313	9,180
221C 03	100 percent and chiefly polyester.....	256	8,225	255	6,847
	85 percent or more acetate or triacetate filament yarn fabrics....	<sup>1</sup> 5,981	<sup>1</sup> 121,742	<sup>1</sup> 5,912	<sup>1</sup> 112,975
	Weighing not more than 5 ounces per square yard.....	<sup>1</sup> 4,892	<sup>1</sup> 106,205	<sup>1</sup> 5,034	<sup>1</sup> 99,786
221B 21	Plain weaves.....	<sup>1</sup> 3,033	<sup>1</sup> 163,191	<sup>1</sup> 3,274	<sup>1</sup> 61,812
221B 23	Other weaves.....	<sup>1</sup> 1,859	<sup>1</sup> 43,014	<sup>1</sup> 1,760	<sup>1</sup> 37,974
	Weighing more than 5 ounces per square yard.....	<sup>1</sup> 1,089	<sup>1</sup> 15,537	<sup>1</sup> 878	<sup>1</sup> 13,189
221B 25	Plain weaves.....	(D)	(D)	(D)	(D)
221B 27	Other weaves.....	(D)	(D)	(D)	(D)
	85 percent or more rayon filament yarn fabrics.....	(1)	(1)	(1)	(1)
221B 41	Weighing not more than 5 ounces per square yard.....	(1)	(1)	(1)	(1)
221B 43	Weighing more than 5 ounces per square yard.....	(1)	(1)	(1)	(1)
	Other chiefly rayon and/or acetate filament yarn fabrics.....	1,979	38,627	1,889	38,180
221B 51	Weighing not more than 5 ounces per square yard.....	468	6,145	381	5,334
221B 53	Weighing more than 5 ounces per square yard.....	<sup>a</sup> 1,511	<sup>a</sup> 32,482	<sup>a</sup> 1,508	<sup>a</sup> 32,846
	85 percent or more nylon filament yarn fabrics.....	3,723	115,957	4,624	134,437
221C 11	Typewriter and other impression fabrics.....	755	24,604	713	24,296
	Other 85 percent or more nylon filament yarn fabrics.....	2,968	91,353	3,911	110,141
	Weighing not more than 5 ounces per square yard.....	2,434	78,699	3,063	96,572
221C 13	Flat, non-textured.....	2,210	69,597	2,609	82,503
221C 15	All other.....	224	9,102	454	14,069
	Weighing more than 5 ounces per square yard.....	534	12,654	848	13,569
221C 23	Flat, non-textured.....	431	6,534	727	6,173
221C 25	All other.....	103	6,120	121	7,396
	Other chiefly nylon filament fabrics.....	337	2,921	409	4,443
221C 31	Weighing not more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)
221C 33	Weighing more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)
	85 percent or more polyester filament yarn fabrics.....	5,251	141,124	5,190	139,914
	Textured.....	3,196	90,877	<sup>r</sup> 3,196	87,966
221C 44	Weighing not more than 5 ounces per square yard <sup>2</sup> .....	1,862	43,255	1,825	39,963
221C 43	Flat.....	(D)	(D)	(D)	(D)
221C 45	Other.....	(D)	(D)	(D)	(D)
221C 50	Weighing more than 5 ounces per square yard <sup>2</sup> .....	1,334	47,622	<sup>r</sup> 1,371	<sup>r</sup> 48,003
	Non-textured.....	2,055	50,247	1,994	51,948
221C 62	Weighing not more than 5 ounces per square yard <sup>2</sup> .....	1,119	26,350	1,252	29,328
221C 66	Weighing more than 5 ounces per square yard <sup>2</sup> .....	936	23,897	742	22,620
221C 73	Other chiefly polyester filament fabrics.....	196	<sup>a</sup> 3,220	193	<sup>a</sup> 2,678
	Glass fiber fabrics.....	2,813	107,912	2,767	109,924
221C 82	Woven roving and screening.....	68	4,132	68	4,271
221C 89	All other glass fiber fabrics.....	2,745	103,780	2,699	105,653
	All other 85 percent or more filament yarn fabrics, including saran and olefin and fabrics obtained from strip, except rayon and/or acetate.....	4,085	765,763	4,119	768,437
221C 91	Carpet backing.....	2,837	692,792	<sup>a</sup> 2,852	698,289
221C 93	All other.....	<sup>a</sup> 1,248	<sup>a</sup> 72,971	<sup>a</sup> 1,267	<sup>a</sup> 70,148

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report for this series, MQ22T(90)-1, issued July 1990, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>r</sup>Revised by 5 percent or more from previously published figures.<sup>1</sup>Included with 85 percent or more acetate or triacetate filament yarn fabric to avoid disclosing figures for individual companies.<sup>2</sup>Classified on a finished weight basis.



Table 6. PRODUCTION AND LOOM ASSIGNMENT OF PILE FABRICS  
(INCLUDES YARN DYED FABRIC)

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1990		First quarter 1990	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Pile fabrics.....	6,411	136,166	<sup>r</sup> 7,037	153,611
	Corduroy.....	1,206	23,701	<sup>r</sup> 1,381	30,104
	More than 50 percent cotton.....	(D)	(D)	<sup>r</sup> 1,381	30,104
2211E 01	Finewales and pinwales.....	623	11,325	<sup>r</sup> 742	16,448
2211E 03	Midwales.....	(D)	(D)	(D)	(D)
2211E 05	Thicksets.....	(D)	(D)	(D)	(D)
2211E 07	Widewales and other.....	382	6,847	<sup>r</sup> 350	6,011
2221H 01	Chiefly manmade fiber.....	(D)	(D)	-	-
	Velvets, plushes, and other pile fabrics.....	851	14,778	875	16,321
2211E 21	More than 50 percent cotton.....	<sup>a</sup> 89	1,406	89	<sup>r</sup> 1,291
2221H 11	Chiefly manmade fiber.....	<sup>a</sup> 762	13,372	786	15,031
	Terry cloth and terry toweling.....	4,354	97,687	4,781	107,181
2211E 32	Terry toweling.....	(D)	(D)	(D)	(D)
2211E 34	Terry cloth.....	(D)	(D)	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report for this series, MQ22T(90)-1, issued July 1990, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.

Table 7. PRODUCTION AND LOOM ASSIGNMENT OF WOOLEN AND WORSTED FABRICS,  
INCLUDING CHIEFLY MANMADE/WOOL BLENDS AND CHIEFLY COTTON/WOOL BLENDS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1990		First quarter 1990	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Woolen and worsted fabrics, 36 percent or more wool (except felts) <sup>1</sup> .....	2,018	39,502	1,960	38,801
	Apparel fabrics, including government orders.....	1,823	36,617	1,794	36,311
	Worsted fabrics.....	1,018	21,390	1,036	23,601
22312 01	Weighing not more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)
22312 02	Weighing more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)
	Woolen fabrics.....	805	15,227	758	12,601
22312 21	Weighing not more than 9 ounces per square yard.....	(D)	(D)	(D)	(D)
22312 23	Weighing more than 9 ounces per square yard.....	(D)	(D)	(D)	(D)
	Nonapparel fabrics, including government orders (except felts).....	195	2,885	166	2,401
22312 62	Blanketing, including thermal.....	<sup>b</sup> 25	639	<sup>a</sup> 25	601
22312 85	All other fabrics.....	<sup>b</sup> 170	<sup>b</sup> 2,246	<sup>a</sup> 141	<sup>a</sup> 1,801
22312 92	Woven felts (thousands of pounds).....	<sup>a</sup> 161	1,522	<sup>r</sup> 162	1,601
	Chiefly manmade/wool blend and chiefly cotton/wool blend fabrics.....	(D)	(D)	(D)	(D)
2221H 22	Chiefly spun polyester mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)
2221H 21	All other chiefly spun fibers mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)
2221H 92	Chiefly filament polyester mixed mainly or solely with wool or spun polyester/wool blends.....	(D)	(D)	(D)	(D)
2221H 98	All other chiefly filament yarn mixed mainly or solely with wool...	(D)	(D)	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report for this series, MQ22T(90)-1, issued July 1990, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.

<sup>1</sup>Includes fabrics 36 percent or more wool or reprocessed wool by weight. 1986 and prior years include fabrics 50 percent or more wool or reprocessed wool by weight.



Table 8. PRODUCTION AND LOOM ASSIGNMENT OF UPHOLSTERY FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1990		First quarter 1990	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Upholstery fabrics.....	4,716	98,162	4,693	100,020
	85 percent or more spun yarn and spun filament combinations.....	4,001	81,815	3,942	82,349
	Pile woven.....	1,189	20,427	1,180	21,950
211E 41	All cotton and chiefly cotton.....	415	<sup>a</sup> 1,974	416	<sup>a</sup> 1,881
221H 41	All manmade and chiefly manmade.....	<sup>a</sup> 774	18,453	764	20,069
	Flat woven.....	2,812	61,388	2,762	60,399
211X 01	All cotton and chiefly cotton.....	919	19,215	<sup>r</sup> 915	<sup>r</sup> 19,678
	All manmade and chiefly manmade.....	1,893	42,173	1,847	40,721
221X 01	Olefin.....	402	8,807	428	9,155
221X 03	All other flat woven manmade fiber fabrics.....	<sup>a</sup> 1,491	<sup>a</sup> 33,366	<sup>r</sup> 1,419	<sup>r</sup> 31,566
	85 percent or more filament yarn.....	715	16,347	<sup>r</sup> 751	<sup>r</sup> 17,671
221C 77	All polyester and chiefly polyester.....	264	6,354	<sup>r</sup> 271	<sup>r</sup> 6,507
221C 78	All nylon and chiefly nylon.....	(D)	(D)	(D)	(D)
221C 98	All olefin and chiefly olefin.....	326	8,127	<sup>b</sup> 353	<sup>a</sup> 8,688
221C 99	All other filament fiber fabrics.....	(D)	(D)	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report for this series, MQ22T(90)-1, issued July 1990, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

These data are included in the data shown in tables 4, 5, and 6.

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>r</sup>Revised by 5 percent or more from previously published figures.

Table 9. PRODUCTION OF TIRE CORD AND TIRE CORD FABRICS

(Thousands of pounds)

Product code	Product description	Production during quarter	
		Second quarter 1990	First quarter 1990
22960 00	Tire cord and tire cord fabrics.....	180,316	179,988
22960 12	Cotton tire cord and tire cord fabrics.....	(D)	(D)
22960 32	Rayon tire cord and tire cord fabrics.....	(D)	(D)
22960 35	Nylon tire cord and tire cord fabrics.....	41,789	42,801
22960 37	Polyester tire cord and tire cord fabrics.....	46,758	48,059
22960 38	Glass tire cord and tire cord fabrics.....	272	310
22960 45	Steel tire cord.....	87,164	84,540
22960 51	All other tire cord and tire cord fabrics including chafer....	3,395	3,492

(D) Data withheld to avoid disclosing figures for individual companies.

Table 10. LOOMS IN PLACE AND LOOM HOURS OPERATED IN BROADWOVEN FABRIC MILLS

Product description	Second quarter 1990		First quarter 1990	
	Looms in place (number)	Thousands of loom hours operated	Looms in place (number)	Thousands of loom hours operated
Total.....	111,771	181,171	117,674	191,013
Shuttle type looms.....	46,237	72,618	52,231	79,821
Single shuttle cam looms.....	30,981	51,532	35,454	56,980
Single shuttle dobby looms.....	9,105	13,586	9,941	13,934
Multiple shuttle box or head motion looms.....	3,403	<sup>a</sup> 4,093	4,029	5,524
Double shuttle pile and plush, and jacquard looms.....	2,748	3,407	2,807	3,383
Shuttleless looms and weaving machines.....	65,534	108,553	65,443	111,192
Single filling insertion capability.....	39,158	67,631	38,817	68,386
Air jet looms.....	15,050	26,575	14,708	26,108
Water jet looms.....	6,255	8,404	6,184	8,767
Projectile looms.....	12,340	22,638	12,297	23,431
Rapier looms.....	5,513	10,014	5,628	10,080
Multiple filling insertion capability.....	25,697	40,083	25,960	42,017
Air jet looms.....	(D)	(D)	(D)	(D)
Water jet looms.....	(D)	(D)	(D)	(D)
Projectile looms.....	11,431	19,039	11,232	19,474
Rapier looms.....	11,610	<sup>a</sup> 16,887	12,227	18,303
Pile and plush looms.....	<sup>b</sup> 679	<sup>a</sup> 839	666	789

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report for this series, MQ22T(90)-1, issued July 1990, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies.



Table 11. PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF BROADWOVEN FABRICS: SECOND QUARTER 1990

(Quantity in thousands of square yards; value in thousands of dollars)

Product description	Manufacturers' shipments <sup>1</sup> (quantity)	Imports for consumption <sup>2</sup>		Percent imports to manufacturers' shipments (quantity)	Exports of domestic merchandise <sup>4</sup>		Percent exports to manufacturers' shipments (quantity)	Apparent consumption <sup>5</sup>
		Quantity	Value <sup>3</sup>		Quantity	Value		
Cotton fabrics <sup>6</sup> .....	1,119,689	273,076	283,463	24.4	(NA)	(NA)	(NA)	(NA)
Cheesecloth and batistes.....	(D)	9,268	5,339	(D)	12,328	17,693	(D)	(D)
Print cloth.....	83,846	54,247	31,367	64.7	1,013	1,924	1.2	137,079
Poplin and broadcloth.....	36,737	39,043	30,951	106.3	3,832	7,376	10.4	71,948
Weighing 5.9 ounces or less per square yard.....	26,382	38,967	30,195	147.7	1,781	4,018	6.8	63,561
Weighing more than 5.9 ounces per square yard.....	10,355	75	756	0.7	2,051	3,358	19.8	8,379
Duck, including tape warp.....	(D)	18,117	18,091	(D)	3,712	8,446	(D)	(D)
Sheeting.....	151,112	62,207	49,811	41.2	3,898	7,842	2.6	209,421
Twills and sateens.....	105,052	41,457	52,156	39.5	2,871	6,000	2.7	143,638
Oxfords.....	9,446	1,228	2,692	13.0	(NA)	(NA)	(NA)	(NA)
All other constructions.....	55,454	12,515	14,711	22.6	10,010	23,014	18.1	57,959
Blue Denim.....	165,872	12,477	21,645	7.5	15,196	34,613	9.2	163,154
Yarn dyed fabric.....	86,666	19,378	45,879	22.4	3,791	6,841	4.4	102,253
Pile fabrics, including yarn dyed.....	122,674	3,139	10,821	2.6	2,762	8,342	2.3	123,051
Manmade fiber fabrics.....	2,622,298	135,986	308,365	5.2	61,916	131,618	2.4	2,696,367
85% or more filament yarn fabrics.....	1,318,716	60,472	110,064	4.6	29,992	60,778	2.3	1,349,197
Nylon and polyester high tenacity fabric.....	16,698	1,881	4,986	11.3	5,286	11,939	31.7	13,293
Rayon high tenacity fabric.....	4,752	147	604	3.1	1,034	2,204	21.8	3,865
Typewriter fabric.....	24,604	-	-	-	(NA)	(NA)	(NA)	(NA)
Rayon or acetate filament yarn fabrics.....	160,369	3,317	8,246	2.1	2,889	6,484	1.8	160,797
Polyester filament yarn fabric.....	144,344	40,335	75,644	27.9	11,643	18,701	8.1	173,031
Glass fiber fabric.....	107,912	6,841	10,338	6.3	(NA)	(NA)	(NA)	(NA)
Nylon filament yarn fabric.....	94,274	7,267	8,854	7.7	3,473	10,079	3.7	98,067
All other filament yarn fabric.....	765,763	684	1,392	0.1	5,666	11,371	0.7	760,78
85% or more spun yarn fabric.....	994,374	40,462	66,649	4.1	21,180	42,820	2.1	1,013,651
Cheesecloth and batistes.....	(D)	1,829	1,828	(D)				
Poplin broadcloth.....	167,818	11,084	9,443	6.6				
Polyester/cotton.....	135,784	7,528	6,128	5.5				
Weighing 5.0 ounces or less per square yard.....	127,055	7,228	5,522	5.7				
Weighing more than 5.0 ounces per square yard.....	8,729	299	606	3.4				
All other spun yarns.....	32,034	3,556	3,315	11.1				
Print cloth.....	181,512	8,179	3,751	4.5				
Polyester/cotton.....	141,781	5,812	2,222	4.1				
All other spun yarns.....	39,731	2,367	1,529	6.0				
Duck.....	(D)	94	453	(D)				
Sheeting.....	414,485	2,060	3,552	0.5				
Polyester/cotton.....	(D)	982	996	(D)	17,485	31,702	(NA)	(NA)
Weighing 5.0 ounces or less per square yard.....	(D)	-	-	-				
Weighing more than 5.0 ounces per square yard.....	(D)	982	996	(D)				
All other spun yarn.....	(D)	1,078	2,556	(D)				
Sateens or twills.....	107,985	7,504	12,694	6.9				
Oxford.....	6,369	8	26	0.1				
All other spun manmade fiber fabrics.....	28,472	1,737	6,052	6.1				
Yarn dyed fabric.....	16,835	6,224	17,727	37.0				
Pile fabrics.....	13,492	1,742	11,123	12.9	3,695	11,118	27.4	11,561
Spun/filament yarn combinations, including yarn dyed.....	(D)	21,203	41,730	(D)	10,365	25,093	(D)	306,6
Chiefly manmade/wool blends.....	(D)	8,986	29,004	(D)	(NA)	(NA)	(NA)	(NA)
Silk fabrics.....	175	4,863	60,918	2,778.8	380	2,927	217.4	4,61
Wool fabrics.....	40,382	5,942	71,266	14.7	656	4,075	1.6	45,61
Chiefly cotton fabrics blended with wool and other vegetable fibers and other vegetable fiber fabrics.....	(D)	73	869	(D)	1,290	3,577	(D)	(D)

Note: Fabric blends as shown in Current Industrial Reports Series MQ22T are reported based on the chief weight of the fiber whereas fabric blends as shown for imports and exports are based on the chief value of the fiber.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. (NA) Not available.

<sup>1</sup> Represents production of gray broadwoven fabrics; import and export data represent gray as well as finished broadwoven fabrics. For a comparison of Standard Industrial Classification (SIC) based product codes with Schedule B export numbers and HTSUSA import numbers, see table 12 of the first quarter report of this series, MQ22T(90)-1, issued July 1990.

<sup>2</sup> Source: Bureau of the Census Report IM 145, U.S. Imports for Consumption.

<sup>3</sup> Source: Bureau of the Census Report EM 545, U.S. Exports.

<sup>4</sup> This dollar value represents the c.i.f. (cost, insurance, and freight) at the first port of entry in the United States plus calculated import duty.

<sup>5</sup> Apparent consumption represents new domestic supply and is derived by subtracting exports from the total manufacturers' shipments plus imports.

<sup>6</sup> Includes all cotton and chiefly cotton mixed with manmade fiber.



A black and white line drawing of a vintage computer setup. It includes a CRT monitor with a thick bezel, a keyboard, and a mouse. In the foreground, there are several documents: a large sheet with a world map, a smaller sheet with a grid of squares, and a CD-ROM. A floppy disk is also visible behind the monitor.

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3.158:MQ 22 T(90)-3

Current Industrial Reports,...

**Broadwoven Fabrics (Gray)**U.S. Department of Commerce  
BUREAU OF THE CENSUS**THIRD QUARTER 1990**MQ22T(90)-3  
Issued December 1990

The statistics in this publication are based on a survey of manufactures and represent total U.S. production of broadwoven fabrics over 12 inches. Estimates are included for companies whose reports were not received in time

for tabulation. A description of the survey methodology and related information appears in the first quarter report for this series, MQ22T(90)-1, issued July 1990.

This report is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100.

Table 1. SUMMARY OF PRODUCTION OF BROADWOVEN GRAY FABRICS, BY TYPE OF FABRIC: 1985 TO 1990

(Millions of square yards)

Year	Chiefly cotton fabrics	Manmade fiber fabrics, including silk and manmade/wool blends	Chiefly wool fabric	Tire cord and tire cord fabrics
1990				
Third quarter.....	1,081.8	2,582.9	32.3	168.3
Second quarter.....	1,121.7	2,661.2	38.8	180.3
First quarter.....	1,194.4	2,708.0	38.8	180.0
1989				
Fourth quarter.....	1,105.8	2,714.6	37.0	161.4
Third quarter.....	1,134.3	2,670.0	40.1	172.0
Second quarter.....	1,191.8	2,782.2	50.9	179.3
First quarter.....	1,157.2	2,796.0	48.3	175.7
1988				
Fourth quarter.....	1,052.3	2,847.7	43.9	168.9
Third quarter.....	1,072.2	2,735.6	43.0	169.5
Second quarter.....	1,255.0	2,877.6	53.0	157.7
First quarter.....	1,252.1	2,908.8	50.6	153.8
1987				
Fourth quarter.....	1,178.2	2,945.9	40.9	126.8
Third quarter.....	1,219.1	2,787.7	36.0	122.1
Second quarter.....	1,216.9	2,764.0	45.9	121.9
First quarter.....	1,158.0	2,736.7	46.0	124.5
1986				
Fourth quarter.....	1,129.3	2,785.4	30.2	116.0
Third quarter.....	1,095.2	2,561.5	27.8	105.9
Second quarter.....	1,102.6	2,659.8	41.2	108.8
First quarter.....	1,037.0	2,757.5	40.2	112.8
1985				
Fourth quarter.....	955.4	2,696.4	34.0	112.2
Third quarter.....	933.0	2,652.6	24.3	107.9
Second quarter.....	1,001.7	2,685.7	39.5	129.5
First quarter.....	1,030.3	2,761.9	40.6	145.9

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, call Karen Harshbarger, (301) 763-2553.

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Table 2. SUMMARY OF PRODUCTION AND LOOM ASSIGNMENTS OF BROADWOVEN GRAY FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1990		Second quarter 1990		Production, year-to-date (M sq. yards)
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)	
	Cotton and chiefly cotton fabrics mixed mainly or solely with manmade fibers.....	33,171	1,081,793	33,700	1,121,650	3,397,865
2211B 00	Plain weaves.....	16,115	542,824	16,712	583,878	1,757,205
2211C 00	Twill weaves.....	7,268	299,500	7,148	295,322	886,910
2211D 00	All other weaves except pile.....	4,263	121,636	4,158	117,791	372,680
2211E 00	Pile fabrics.....	5,525	117,833	5,682	124,659	381,070
	Chiefly cotton fabrics mixed mainly or solely with other than manmade fibers.....	(D)	(D)	(D)	(D)	(D)
	Manmade fiber and silk gray broadwoven fabrics.....	66,508	2,582,921	67,816	2,661,226	7,952,181
2221B 00	85 percent or more filament rayon and/or acetate fabrics.....	8,715	184,371	8,429	165,121	505,710
2221C 00	85 percent or more filament fabrics, except rayon and/or acetate.....	16,196	1,117,359	16,884	1,167,538	3,460,757
	85 percent or more spun yarn fabrics, except wool blends.....	32,460	971,157	33,573	1,005,402	3,030,040
2221D 00	Plain weave, except pile.....	25,699	803,150	26,456	842,743	2,527,544
2221E 00	Twill weave, except pile.....	3,684	108,344	3,888	101,863	323,654
2221F 00	All other weaves, except pile.....	3,077	59,663	3,229	60,796	178,842
2221G 00	Spun/filament yarn combinations.....	(D)	(D)	(D)	(D)	(D)
2221H 10	Pile fabrics.....	720	12,062	777	13,492	40,589
2221H 2X	All other chiefly manmade fiber fabrics, including chiefly manmade fiber blends with wool.....	(D)	(D)	(D)	(D)	(D)
2221H 31	Silk fabrics.....	87	189	85	175	560
	Woolen and worsted fabrics.....	1,809	32,318	1,921	38,753	109,875

(D) Data withheld to avoid disclosing figures for individual companies.

F Revised by 5 percent or more from previously published figures.

Table 3. SUMMARY OF PRODUCTION OF BROADWOVEN FABRIC BY TEXTILE CATEGORY

(Thousands of square yards)

Product description	Production during quarter		Production year-to-date
	Third quarter 1990	Second quarter 1990	
Blue denim.....	166,117	167,522	504,331
All other yarn dyed fabric.....	111,058	122,837	359,040
Plain weave.....	25,046	25,970	78,885
Twill weave.....	27,791	36,552	97,010
All other weave.....	58,221	60,315	183,145
Cheesecloth and batistes.....	319,684	344,733	1,024,935
Duck.....	(D)	(D)	(D)
Oxfords.....	18,490	15,815	52,305
Pile fabrics.....	129,895	138,151	421,659
Special weave fabric.....	86,347	84,011	259,757
Other fabrics, chiefly cotton fiber:			
Print cloth.....	85,781	83,846	267,714
Poplin and broadcloth.....	25,069	36,812	94,783
Sheeting.....	140,222	115,112	469,755
Twill.....	106,984	93,208	291,292
Sateens.....	12,812	12,014	38,858
Other fabrics, chiefly manmade fiber:			
Manmade/wool blends.....	(D)	(D)	(D)
85 percent or more filament yarn fabrics:			
Typewriter fabric.....	23,444	24,604	72,344
Other nylon.....	92,785	102,747	319,296
Rayon and acetate.....	184,371	165,121	505,710
Polyester.....	153,706	152,347	455,492
Glass fiber.....	92,804	107,912	310,640
All other.....	754,620	779,928	2,302,985
85 percent or more spun yarn fabrics:			
Print cloth.....	183,694	184,409	556,161
Poplin and broadcloth.....	165,529	167,818	495,003
Sheeting.....	386,756	419,420	1,254,077
Twill and sateens.....	113,565	107,985	339,727
Spun filament combinations except blue denim:			
Print cloth.....	85,077	89,188	263,301
Poplin and broadcloth.....	38,854	45,258	130,126
Sheeting.....	38,990	37,185	114,993
Twill and sateens.....	23,924	22,910	71,347
Other.....	98,200	100,045	294,923
Wool fabrics.....	32,318	38,753	109,875
Silk fabrics.....	189	175	560

(D) Data withheld to avoid disclosing figures for individual companies.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND FLEE FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1990		Second quarter 1990	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Tobacco, cheese, and bandage cloth.....	4,650	328,490	4,753	351,674
11B 02	More than 50 percent cotton.....	4,274	274,773	4,316	295,442
21D 04	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
21D 08	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
21G 04	Spun-filament combinations.....	(D)	(D)	(D)	(D)
	Print cloth.....	14,171	354,552	14,171	354,443
11B 12	More than 50 percent cotton.....	5,583	85,781	5,200	83,846
21D 14	Chiefly spun polyester mixed with cotton.....	4,987	137,848	5,459	141,781
21D 16	Chiefly spun polyester mixed with rayon.....	1,259	26,127	1,326	21,136
21D 18	All other fabrics, 85 percent or more spun yarn.....	657	19,719	592	18,492
21G 07	Spun/filament combinations.....	1,685	85,077	1,594	89,188
	Poplin and broadcloth.....	7,817	249,641	8,036	272,268
	More than 50 percent cotton.....	858	30,874	1,564	44,232
	Weighting 5.9 ounces or less per square yard.....	574	17,209	1,292	32,370
11B 22	Carded.....	288	7,313	821	17,644
11B 26	Combed.....	286	9,896	471	14,726
	Weighting more than 5.9 ounces per square yard.....	284	13,665	272	11,862
11B 32	Carded.....	(D)	(D)	(D)	(D)
11B 36	Combed.....	(D)	(D)	(D)	(D)
	Chiefly spun polyester mixed with cotton.....	4,955	150,314	4,505	147,357
	Weighting 5.0 ounces or less per square yard.....	4,810	142,389	4,315	138,077
21D 24	Carded.....	3,922	103,420	3,425	97,424
21D 26	Combed.....	888	38,969	890	40,653
	Weighting more than 5.0 ounces per square yard.....	145	7,925	190	9,280
21D 28	Carded.....	55	3,499	60	3,772
21D 32	Combed.....	90	4,426	130	5,508
21D 34	All other fabrics, 85 percent or more spun yarn.....	1,137	29,599	1,095	35,421
21G 19	Spun/filament combinations.....	867	38,854	872	45,258
	Lawns, voiles, and batistes.....	181	2,444	384	4,543
11B 42	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
21D 43	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
21D 44	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	-	-
21G 21	Spun/filament combinations.....	(D)	(D)	(D)	(D)
	Duck, including taped warp duck.....	748	15,554	822	17,032
11B 72	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
21D 88	Chiefly spun polyester mixed with cotton.....	174	2,350	168	2,718
21D 92	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
21G 77	Spun/filament combinations.....	(D)	(D)	(D)	(D)
	Bedsheeting.....	13,618	432,818	14,192	457,652
11B 51	More than 50 percent cotton.....	3,135	96,637	3,333	100,757
	Chiefly spun polyester mixed with cotton.....	9,863	301,940	10,322	324,540
21D 51	Carded.....	1,824	78,688	1,855	80,702
21D 53	Combed.....	8,039	223,252	8,467	243,838
21D 55	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
21G 33	Spun/filament combinations.....	(D)	(D)	(D)	(D)
	All other sheeting, including osnaburgs.....	4,076	138,007	4,117	153,655
	More than 50 percent cotton.....	1,842	46,456	1,909	52,213
11B 62	Weighting 5.9 ounces or less per square yard.....	1,389	32,755	1,559	37,344
	Weighting more than 5.9 ounces per square yard.....	453	13,701	350	14,869
11B 64	Blanketing.....	317	8,707	205	8,532
11B 66	All other fabric.....	136	4,994	145	6,337
	85 percent or more spun polyester.....	187	7,036	211	6,448
21D 64	Blanketing.....	(D)	(D)	(D)	(D)
21D 66	All other fabric.....	(D)	(D)	(D)	(D)
	Chiefly spun polyester mixed with cotton.....	1,373	54,271	1,225	57,197
21D 74	Weighting 5.0 ounces or less per square yard.....	1,022	45,756	902	46,337
21D 76	Weighting more than 5.0 ounces per square yard.....	351	8,515	323	10,860
	Chiefly spun acrylic.....	148	7,577	187	10,397
21D 82	Blanketing.....	(D)	(D)	(D)	(D)
21D 84	All other fabric.....	(D)	(D)	(D)	(D)
21D 86	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
21G 45	Spun/filament combinations.....	(D)	(D)	(D)	(D)

See footnotes at end of table.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS--Continued

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1990		Second quarter 1990	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
2211C 01	Blue denim.....	3,145	166,117	3,149	167,522
2211C 03	More than 50 percent cotton.....	3,120	164,933	3,114	165,872
2211C 03	Weighing 10.7 ounces or less per square yard.....	518	22,131	471	24,991
2221E 03	Weighing more than 10.7 ounces per square yard.....	2,602	142,802	2,643	140,881
2221E 03	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221G 46	Spun/filament combinations.....	(D)	(D)	(D)	(D)
	All other denim.....	846	34,797	814	41,477
	More than 50 percent cotton.....	846	34,539	802	41,126
2211C 12	Weighing 10.7 ounces or less per square yard.....	68	4,266	96	4,882
2211C 14	Weighing more than 10.7 ounces per square yard.....	778	30,273	706	36,244
2221E 14	Chiefly spun polyester mixed with cotton.....	-	(D)	(D)	(D)
2221G 48	Spun filament combinations.....	-	(D)	(D)	(D)
2211C 22	Canton flannels.....	425	6,382	437	4,917
	All other twill weaves.....	6,928	217,510	7,091	197,265
	More than 50 percent cotton.....	2,877	93,646	2,795	83,407
2211C 32	Weighing 5.9 ounces or less per square yards.....	1,323	40,015	1,360	35,341
2211C 34	Weighing more than 5.9 ounces per square yard.....	1,554	53,631	1,435	48,066
2221E 22	85 percent or more spun polyester.....	85	2,412	147	3,640
	Chiefly spun polyester mixed with cotton.....	2,108	78,205	2,316	78,074
2221E 24	Weighing 5.0 ounces or less per square yard.....	a504	49,521	491	11,093
2221E 26	Weighing more than 5.0 ounces per square yard.....	1,604	68,684	1,825	66,981
2221E 28	All other fabrics, 85 percent or more spun yarn.....	1,491	27,469	1,413	19,798
2221G 39	Spun/filament combinations.....	367	15,778	420	12,346
	Sateens.....	1,033	26,387	1,048	29,010
2211D 05	More than 50 percent cotton.....	377	12,812	338	12,014
2211F 05	Chiefly spun polyester mixed with cotton.....	137	2,650	141	3,016
2221F 07	All other fabrics, 85 percent or more spun yarn.....	125	2,779	160	3,416
2221G 63	Spun/filament combinations.....	394	8,146	409	10,564
	Oxfords.....	944	43,009	933	42,046
2211D 12	More than 50 percent cotton.....	595	32,082	622	31,292
2221F 12	Chiefly spun polyester mixed with cotton.....	160	5,762	148	6,065
2221F 16	All other fabrics, 85 percent or more spun yarn.....	47	2,029	6	300
2221G 68	Spun/filament combinations.....	142	3,136	157	4,385
2211D 32	8irdseye diaper cloth.....	(D)	(D)	(D)	(D)
2211D 35	Huck and crash toweling.....	(D)	(D)	(D)	(D)
	Table damask.....	323	11,598	329	11,641
2211D 45	More than 50 percent cotton.....	76	923	66	911
2221F 33	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221F 36	All other fabrics, 85 percent or more spun yarn.....	-	-	-	-
2221G 82	Spun/filament combinations.....	(D)	(D)	(D)	(D)
	Jacquard and dobby shirting fabrics.....	439	9,768	347	7,901
2211D 52	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221F 42	Chiefly spun polyester mixed with cotton.....	129	1,281	111	1,103
2221F 44	All other fabric, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2221G 84	Spun/filament combinations.....	(D)	(D)	(D)	(D)
	All other weaves.....	7,522	155,037	7,547	155,857
	More than 50 percent cotton.....	2,021	39,937	1,983	38,128
2211D 62	Weighing 5.9 ounces or less per square yard.....	969	19,115	875	17,608
2211D 64	Weighing more than 5.9 ounces per square yard.....	1,052	20,822	1,108	20,520
2221F 52	85 percent or more spun polyester.....	a275	5,197	402	7,382
	Chiefly spun polyester mixed with cotton.....	894	8,570	1,047	11,855
2221F 54	Weighing 5.0 ounces or less per square yard.....	276	3,503	380	5,842
2221F 56	Weighing more than 5.0 ounces per square yard.....	b18	a5,067	667	6,013
2221F 58	All other fabrics, 85 percent or more spun yarn.....	1,019	20,014	926	16,247
2221G 87	Spun/filament combinations.....	3,313	81,319	3,189	82,245

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report for this series, MQ22T(90)-1, issued July 1990, for a discussion of estimation of missing reports): a10 to 25 percent of this item is estimated. b26 to 50 percent of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. r Revised by 5 percent or more from previously published figures.



Table 5. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE FILAMENT YARN FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1990		Second quarter 1990	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	85 percent or more filament yarn fabrics.....	24,911	1,301,730	25,313	1,332,659
	High tenacity yarn fabrics.....	896	20,755	966	21,450
2221B 01	100 percent and chiefly rayon.....	473	4,727	469	4,752
2221C 01	100 percent and chiefly nylon.....	193	6,450	241	8,473
2221C 03	100 percent and chiefly polyester.....	230	9,578	256	8,225
	85 percent or more acetate or triacetate filament yarn fabrics.....	<sup>1</sup> 6,103	<sup>1</sup> 136,716	<sup>1</sup> 5,981	<sup>1</sup> 121,742
	Weighing not more than 5 ounces per square yard.....	<sup>1</sup> 5,312	<sup>1</sup> 121,360	<sup>1</sup> 4,892	<sup>1</sup> 106,205
2221B 21	Plain weaves.....	<sup>1</sup> 3,453	<sup>1</sup> 76,928	<sup>1</sup> 3,033	<sup>1</sup> 63,191
2221B 23	Other weaves.....	<sup>1</sup> 1,859	<sup>1</sup> 44,432	<sup>1</sup> 1,859	<sup>1</sup> 43,014
	Weighing more than 5 ounces per square yard.....	<sup>1</sup> 791	<sup>1</sup> 15,356	<sup>1</sup> 1,089	<sup>1</sup> 15,537
2221B 25	Plain weaves.....	(D)	(D)	(D)	(D)
2221B 27	Other weaves.....	(D)	(D)	(D)	(D)
	85 percent or more rayon filament yarn fabrics.....	(1)	(1)	(1)	(1)
2221B 41	Weighing not more than 5 ounces per square yard.....	(1)	(1)	(1)	(1)
2221B 43	Weighing more than 5 ounces per square yard.....	(1)	(1)	(1)	(1)
	Other chiefly rayon and/or acetate filament yarn fabrics.....	2,139	42,928	1,979	38,627
2221B 51	Weighing not more than 5 ounces per square yard.....	<sup>a</sup> 755	<sup>a</sup> 9,717	<sup>a</sup> 468	<sup>a</sup> 6,145
2221B 53	Weighing more than 5 ounces per square yard.....	<sup>a</sup> 1,384	<sup>a</sup> 33,211	<sup>a</sup> 1,511	<sup>a</sup> 32,482
	85 percent or more nylon filament yarn fabrics.....	3,359	106,213	3,700	115,957
2221C 11	Typewriter and other impression fabrics.....	739	23,444	755	24,604
	Other 85 percent or more nylon filament yarn fabrics.....	2,620	82,769	2,945	91,353
	Weighing not more than 5 ounces per square yard.....	2,448	74,103	2,434	78,699
2221C 13	Flat, non-textured.....	2,229	67,403	2,210	69,597
2221C 15	All other.....	219	6,700	224	9,102
	Weighing more than 5 ounces per square yard.....	172	8,666	511	12,654
2221C 23	Flat, non-textured.....	65	<sup>a</sup> 2,521	<sup>r</sup> 408	6,534
2221C 25	All other.....	107	6,145	103	6,120
	Other chiefly nylon filament fabrics.....	348	3,566	337	2,921
2221C 31	Weighing not more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)
2221C 33	Weighing more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)
	85 percent or more polyester filament yarn fabrics.....	5,168	140,920	5,256	140,902
	Textured.....	3,191	93,598	3,208	90,877
2221C 44	Weighing not more than 5 ounces per square yard <sup>2</sup> .....	1,793	42,154	1,864	43,255
2221C 43	Flat.....	(D)	(D)	(D)	(D)
2221C 45	Other.....	(D)	(D)	(D)	(D)
2221C 50	Weighing more than 5 ounces per square yard <sup>2</sup> .....	1,398	51,444	1,334	47,622
	Non-textured.....	1,977	47,322	2,048	50,025
2221C 62	Weighing not more than 5 ounces per square yard <sup>2</sup> .....	1,127	25,966	1,119	26,128
2221C 66	Weighing more than 5 ounces per square yard <sup>2</sup> .....	850	21,356	929	23,897
2221C 73	Other chiefly polyester filament fabrics.....	199	3,208	196	<sup>a</sup> 3,220
	Glass fiber fabrics.....	2,673	92,804	2,813	107,912
2221C 82	Woven roving and screening.....	<sup>b</sup> 67	<sup>b</sup> 2,620	68	4,132
2221C 89	All other glass fiber fabrics.....	2,606	<sup>a</sup> 90,184	2,745	103,780
	All other 85 percent or more filament yarn fabrics, including saran and olefin and fabrics obtained from strip, except rayon and/or acetate.....	4,026	754,620	4,085	779,728
2221C 91	Carpet backing.....	2,808	685,721	2,837	706,957
2221C 93	All other.....	1,218	68,899	1,248	72,971

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report for this series, MQ22T(90)-1, issued July 1990, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.

<sup>1</sup>Included with 85 percent or more acetate or triacetate filament yarn fabric to avoid disclosing figures for individual companies.

<sup>2</sup>Classified on a finished weight basis.



Table 6. PRODUCTION AND LOOM ASSIGNMENT OF PILE FABRICS  
(INCLUDES YARN DYED FABRIC)

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1990		Second quarter 1990	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Pile fabrics.....	6,245	129,895	6,459	138,151
	Corduroy.....	938	14,022	1,206	23,701
	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
221IE 01	Finewales and pinwales.....	547	7,480	623	11,325
221IE 03	Midwales.....	(D)	(D)	(D)	(D)
221IE 05	Thicksets.....	(D)	(D)	(D)	(D)
221IE 07	Widewales and other.....	270	3,346	382	6,847
222IH 01	Chiefly manmade fiber.....	(D)	(D)	(D)	(D)
	Velvets, plushes, and other pile fabrics.....	809	13,378	851	14,778
221IE 21	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
222IH 11	Chiefly manmade fiber.....	(D)	(D)	(D)	(D)
	Terry cloth and terry toweling.....	4,498	102,495	4,402	99,672
221IE 32	Terry toweling.....	(D)	(D)	(D)	(D)
221IE 34	Terry cloth.....	(D)	(D)	(D)	(D)

(D) Data withheld to avoid disclosing figures for individual companies.

Table 7. PRODUCTION AND LOOM ASSIGNMENT OF WOOLEN AND WORSTED FABRICS,  
INCLUDING CHIEFLY MANMADE/WOOL BLENDS AND CHIEFLY COTTON/WOOL BLENDS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1990		Second quarter 1990	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Woolen and worsted fabrics, 36 percent or more wool (except felts) <sup>1</sup> .....	1,809	32,318	1,921	38,753
	Apparel fabrics, including government orders.....	1,625	29,472	1,737	35,970
	Worsted fabrics.....	895	17,203	995	21,387
22312 01	Weighing not more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)
22312 02	Weighing more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)
	Woolen fabrics.....	730	12,269	<sup>r</sup> 742	14,583
22312 21	Weighing not more than 9 ounces per square yard.....	(D)	(D)	(D)	(D)
22312 23	Weighing more than 9 ounces per square yard.....	(D)	(D)	(D)	(D)
	Nonapparel fabrics, including government orders (except felts).....	184	2,846	184	2,783
22312 62	Blanketing, including thermal.....	<sup>a</sup> 222	<sup>b</sup> 575	<sup>a</sup> <sup>r</sup> 21	612
22312 85	All other fabrics.....	<sup>b</sup> 162	<sup>b</sup> 2,271	163	2,171
22312 92	Woven felts (thousands of pounds).....	160	1,470	<sup>a</sup> 160	1,522
	Chiefly manmade/wool blend and chiefly cotton/wool blend fabrics.....	(D)	(D)	(D)	(D)
222IH 22	Chiefly spun polyester mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)
222IH 21	All other chiefly spun fibers mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)
222IH 92	Chiefly filament polyester mixed mainly or solely with wool or spun polyester/wool blends.....	(D)	(D)	(D)	(D)
222IH 98	All other chiefly filament yarn mixed mainly or solely with wool...	(D)	(D)	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report for this series, MQ22T(90)-1, issued July 1990, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.

<sup>1</sup>Includes fabrics 36 percent or more wool or reprocessed wool by weight. 1986 and prior years include fabrics 50 percent or more wool or reprocessed wool by weight.



Table 8. PRODUCTION AND LOOM ASSIGNMENT OF UPHOLSTERY FABRICS  
(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1990		Second quarter 1990	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Upholstery fabrics.....	4,421	88,734	<sup>r</sup> 4,439	97,868
	85 percent or more spun yarn and spun filament combinations.....	3,693	73,946	<sup>r</sup> 3,724	81,521
2211E 41	Pile woven.....	851	17,211	<sup>r</sup> 915	20,062
2221H 41	All cotton and chiefly cotton.....	150	1,532	<sup>r</sup> 143	<sup>r</sup> 1,609
	All manmade and chiefly manmade.....	701	15,679	772	18,453
2211X 01	Flat woven.....	2,842	56,735	2,809	61,459
	All cotton and chiefly cotton.....	<sup>a</sup> 905	18,899	918	19,207
2221X 01	All manmade and chiefly manmade.....	1,937	37,836	1,891	42,252
2221X 03	Olefin.....	<sup>a</sup> 407	7,424	403	8,807
	All other flat woven manmade fiber fabrics.....	1,530	<sup>a</sup> 30,412	1,488	<sup>a</sup> 33,445
2221C 77	85 percent or more filament yarn.....	728	14,788	715	16,347
2221C 78	All polyester and chiefly polyester.....	263	5,330	264	6,354
2221C 98	All nylon and chiefly nylon.....	(D)	(D)	(D)	(D)
2221C 99	All olefin and chiefly olefin.....	310	<sup>a</sup> 7,306	326	8,127
	All other filament fiber fabrics.....	(D)	(D)	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report for this series, MQ22T(90)-1, issued July 1990, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

These data are included in the data shown in tables 4, 5, and 6.

(D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.

Table 9. PRODUCTION OF TIRE CORD AND TIRE CORD FABRICS  
(Thousands of pounds)

Product code	Product description	Production during quarter	
		Third quarter 1990	Second quarter 1990
22960 00	Tire cord and tire cord fabrics.....	168,306	180,316
22960 12	Cotton tire cord and tire cord fabrics.....	(D)	(D)
22960 32	Rayon tire cord and tire cord fabrics.....	(D)	(D)
22960 35	Nylon tire cord and tire cord fabrics.....	38,602	41,789
22960 37	Polyester tire cord and tire cord fabrics.....	44,447	46,758
22960 38	Glass tire cord and tire cord fabrics.....	262	272
22960 45	Steel tire cord.....	81,306	87,164
22960 51	All other tire cord and tire cord fabrics including chafer....	3,023	3,395

(D) Data withheld to avoid disclosing figures for individual companies.

Table 10. LOOMS IN PLACE AND LOOM HOURS OPERATED IN BROADWOVEN FABRIC MILLS

Product description	Third quarter 1990		Second quarter 1990	
	Looms in place (number)	Thousands of loom hours operated	Looms in place (number)	Thousands of loom hours operated
Total.....	108,764	172,342	111,284	183,546
Shuttle type looms.....	42,995	63,550	45,773	72,414
Single shuttle cam looms.....	28,946	43,884	30,812	51,307
Single shuttle dobby looms.....	8,548	12,892	9,108	13,686
Multiple shuttle box or head motion looms.....	3,087	<sup>a</sup> 3,732	<sup>r</sup> 3,353	<sup>a</sup> 4,079
Double shuttle pile and plush, and jacquard looms.....	2,414	3,042	<sup>r</sup> 2,500	3,342
Shuttleless looms and weaving machines.....	65,769	108,792	65,511	111,132
Single filling insertion capability.....	39,069	68,295	39,151	69,992
Air jet looms.....	15,312	27,685	15,043	27,757
Water jet looms.....	6,316	9,653	6,255	<sup>r</sup> 9,499
Projectile looms.....	11,972	21,466	12,340	22,722
Rapier looms.....	<sup>a</sup> 5,469	9,491	5,513	10,014
Multiple filling insertion capability.....	26,010	39,716	25,681	40,301
Air jet looms.....	(D)	(D)	(D)	(D)
Water jet looms.....	(D)	(D)	(D)	(D)
Projectile looms.....	11,453	18,380	11,462	<sup>a</sup> 19,026
Rapier looms.....	11,816	17,090	11,643	<sup>a</sup> 17,137
Pile and plush looms.....	690	<sup>a</sup> 781	<sup>b</sup> 679	<sup>a</sup> 839

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report for this series, MQ22T(90)-1, issued July 1990, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies.



Table 11. PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF BROADWOVEN FABRICS: THIRD QUARTER 1990

(Quantity in thousands of square yards; value in thousands of dollars)

Product description	Manufacturers' shipments <sup>1</sup> (quantity)	Imports for consumption <sup>2</sup>		Percent imports to manufacturers' shipments (quantity)	Exports of domestic <sup>4</sup> merchandise		Percent exports to manufacturers' shipments (quantity)	Apparent consumption <sup>5</sup>
		Quantity	Value <sup>3</sup>		Quantity	Value		
Cotton fabrics <sup>6</sup> .....	1,081,793	363,175	319,234	33.6	(NA)	(NA)	(NA)	(NA)
Cheesecloth and batistes.....	(D)	12,897	7,057	(D)	11,330	16,279	(D)	(D)
Print cloth.....	85,781	90,048	49,163	105.0	988	1,879	1.2	174,841
Poplin and broadcloth.....	25,069	57,753	42,178	230.4	4,803	9,286	19.2	78,020
Weighing 5.9 ounces or less per square yard.....	13,261	57,554	40,926	434.0	2,216	5,267	16.7	68,599
Weighing more than 5.9 ounces per square yard.....	11,808	200	1,252	1.7	2,587	4,019	21.9	9,421
Duck, including tape warp.....	(D)	18,184	16,833	(D)	3,481	8,037	(D)	(D)
Sheeting.....	140,222	92,144	65,855	65.7	3,200	6,096	2.3	229,166
Twills and sateens.....	119,796	48,474	56,255	40.5	2,290	5,011	1.9	165,980
Oxfords.....	10,699	1,401	2,972	13.1	(NA)	(NA)	(NA)	(NA)
All other constructions.....	59,352	17,149	18,749	28.9	10,240	24,206	17.3	66,261
Blue Denim.....	164,933	7,773	13,782	4.7	15,361	35,018	9.3	157,344
Yarn dyed fabric.....	75,032	15,172	38,264	20.2	3,608	6,363	4.8	86.5
Pile fabrics, including yarn dyed.....	117,833	2,180	8,126	1.8	2,460	6,163	2.1	117,553
Manmade fiber fabrics.....	2,582,921	153,217	338,496	5.9	65,120	136,208	2.5	2,671,017
85% or more filament yarn fabrics.....	1,301,730	70,946	129,173	5.5	33,366	67,130	2.6	1,339,310
Nylon and polyester high tenacity fabric.....	16,028	2,271	5,904	14.2	9,291	18,522	58.0	9,008
Rayon high tenacity fabric.....	4,727	166	550	3.5	508	1,120	10.8	4,384
Typewriter fabric.....	23,444	24	83	0.1	(NA)	(NA)	(NA)	(NA)
Rayon or acetate filament yarn fabrics.....	179,644	3,421	7,840	1.9	2,497	5,767	1.4	180,568
Polyester filament yarn fabric.....	144,128	51,685	94,662	35.9	12,090	19,774	8.4	183,722
Glass fiber fabric.....	92,804	5,927	7,910	6.4	(NA)	(NA)	(NA)	(NA)
Nylon filament yarn fabric.....	86,335	6,674	10,418	7.7	3,149	9,452	3.6	89,860
All other filament yarn fabric.....	754,620	778	1,806	0.1	5,830	12,495	0.8	749,568
85% or more spun yarn fabric.....	983,219	50,789	74,024	5.2	21,243	42,643	2.2	1,012,765
Cheesecloth and batistes.....	44,691	1,694	1,746	3.8				
Poplin broadcloth.....	165,529	15,561	12,566	9.4				
Polyester/cotton.....	139,629	12,755	9,181	9.1				
Weighing 5.0 ounces or less per square yard.....	131,726	12,202	8,171	9.3				
Weighing more than 5.0 ounces per square yard.....	7,903	553	1,010	7.0				
All other spun yarns.....	25,900	2,806	3,385	10.8				
Print cloth.....	183,694	7,351	4,100	4.0				
Polyester/cotton.....	137,848	4,517	2,193	3.3				
All other spun yarns.....	45,846	2,834	1,907	6.2				
Duck.....	(D)	163	694	(D)				
Sheeting.....	386,756	3,767	4,349	1.0	18,890	35,518	(NA)	(NA)
Polyester/cotton.....	(D)	2,524	1,475	(D)				
Weighing 5.0 ounces or less per square yard.....	345,921	-	-	-				
Weighing more than 5.0 ounces per square yard.....	(D)	2,524	1,475	(D)				
All other spun yarn.....	(D)	1,242	2,874	(D)				
Sateens or twills.....	113,565	9,308	11,136	8.2				
Oxford.....	7,791	7	9	0.1				
All other spun manmade fiber fabrics.....	26,995	2,057	6,082	7.6				
Yarn dyed fabric.....	36,026	8,993	22,125	25.0				
Pile fabrics.....	12,062	1,889	11,217	15.7	2,353	7,125	19.5	11,598
Spun/filament yarn combinations, including yarn dyed.....	(D)	19,488	43,861	(D)	10,225	24,206	(D)	(D)
Chiefly manmade/wool blends.....	(D)	6,328	22,226	(D)	(NA)	(NA)	(NA)	(NA)
Silk fabrics.....	189	5,665	69,212	2,997.2	286	2,229	151.3	5,568
Wool fabrics.....	32,318	5,890	64,475	18.2	689	4,588	2.1	37,519
Chiefly cotton fabrics blended with wool and other vegetable fibers and other vegetable fiber fabrics.....	(D)	64	885	(D)	733	2,161	(D)	(D)

Note: Fabric blends as shown in Current Industrial Reports Series MQ22T are reported based on the chief weight of the fiber whereas fabric blends as shown for imports and exports are based on the chief value of the fiber.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. (NA) Not available.

<sup>1</sup>Represents production of gray broadwoven fabrics; import and export data represent gray as well as finished broadwoven fabrics. For a comparison of Standard Industrial Classification (SIC) based product codes with Schedule B export numbers and HTSUSA import numbers, see table 12 of the first quarter report of this series, MQ22T(90)-1, issued July 1990.

<sup>2</sup>Source: Bureau of the Census Report IM 145, U.S. Imports for Consumption.

<sup>3</sup>Source: Bureau of the Census Report EM 545, U.S. Exports.

<sup>4</sup>This dollar value represents the c.i.f. (cost, insurance, and freight) at the first port of entry in the United States plus calculated import duty.

<sup>5</sup>Apparent consumption represents new domestic supply and is derived by subtracting exports from the total manufacturers' shipments plus imports.

<sup>6</sup>Includes all cotton and chiefly cotton mixed with manmade fiber.



# CENSUS CATALOG AND GUIDE: 1990

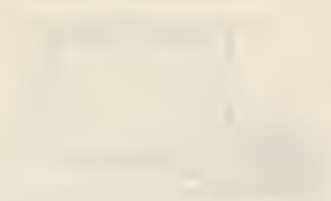


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# CATALOG AND GUIDE 1901

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The following is a list of the items in the collection, arranged in alphabetical order. The list is intended to provide a general overview of the collection and to facilitate the search for specific items. The items are listed in the following order: 1. General information, 2. Description of the collection, 3. List of the items, 4. Notes, 5. Index.

## GENERAL INFORMATION

The collection consists of a series of documents, including a list of the items, a description of the collection, and a general information section. The documents are arranged in the following order: 1. General information, 2. Description of the collection, 3. List of the items, 4. Notes, 5. Index.



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**Broadwoven Fabrics (Gray)**

158:MQ 22 T(90)-4

nt Industrial Reports,...

FOURTH QUARTER 1990

U.S. Department of Commerce  
BUREAU OF THE CENSUSMQ22T(90)-4  
Issued March 1991

The statistics in this publication are based on a survey of manufactures and represent total U.S. production of broadwoven fabrics over 12 inches. Estimates are included for companies whose reports were not received in time

for tabulation. A description of the survey methodology and related information appears in the first quarter report for this series, MQ22T(90)-1, issued July 1990.

This report is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100.

Table 1. SUMMARY OF PRODUCTION OF BROADWOVEN GRAY FABRICS, BY TYPE OF FABRIC: 1985 TO 1990

(Millions of square yards)

Year	Chiefly cotton fabrics	Manmade fiber fabrics, including silk and manmade/wool blends	Chiefly wool fabric	Tire cord and tire cord fabrics
1990				
Fourth quarter.....	1,043.3	2,656.8	31.4	172.2
Third quarter.....	1,082.6	2,584.1	32.8	168.3
Second quarter.....	1,121.7	2,661.2	38.8	180.3
First quarter.....	1,194.4	2,708.0	38.8	180.0
1989				
Fourth quarter.....	1,105.8	2,714.6	37.0	161.4
Third quarter.....	1,134.3	2,670.0	40.1	172.0
Second quarter.....	1,191.8	2,782.2	50.9	179.3
First quarter.....	1,157.2	2,796.0	48.3	175.7
1988				
Fourth quarter.....	1,052.3	2,847.7	43.9	168.9
Third quarter.....	1,072.2	2,735.6	43.0	169.5
Second quarter.....	1,255.0	2,877.6	53.0	157.7
First quarter.....	1,252.1	2,908.8	50.6	153.8
1987				
Fourth quarter.....	1,178.2	2,945.9	40.9	126.8
Third quarter.....	1,219.1	2,787.7	36.0	122.1
Second quarter.....	1,216.9	2,764.0	45.9	121.9
First quarter.....	1,158.0	2,736.7	46.0	124.5
1986				
Fourth quarter.....	1,129.3	2,785.4	30.2	116.0
Third quarter.....	1,095.2	2,561.5	27.8	105.9
Second quarter.....	1,102.6	2,659.8	41.2	108.8
First quarter.....	1,037.0	2,757.5	40.2	112.8
1985				
Fourth quarter.....	955.4	2,696.4	34.0	112.2
Third quarter.....	933.0	2,652.6	24.3	107.9
Second quarter.....	1,001.7	2,685.7	39.5	129.5
First quarter.....	1,030.3	2,761.9	40.6	145.9

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Karen Harshbarger, (301) 763-2553.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.



Table 2. SUMMARY OF PRODUCTION AND LOOM ASSIGNMENTS OF BROADWOVEN GRAY FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1990		Third quarter 1990		Production, year-to-date (M sq. yards)
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)	
	Cotton and chiefly cotton fabrics mixed mainly or solely with manmade fibers.....	32,631	1,043,300	33,214	1,082,582	4,441,954
2211B 00	Plain weaves.....	15,853	527,447	16,120	542,824	2,284,652
2211C 00	Twill weaves.....	7,097	289,441	7,320	299,489	1,176,340
2211D 00	All other weaves except pile.....	4,326	122,434	4,247	122,436	495,914
2211E 00	Pile fabrics.....	5,355	103,978	5,527	117,833	485,048
	Chiefly cotton fabrics mixed mainly or solely with other than manmade fibers....	(D)	(D)	(D)	(D)	(D)
	Manmade fiber and silk gray broadwoven fabrics.....	63,376	2,656,844	66,928	2,584,061	10,610,165
2221B 00	85 percent or more filament rayon and/or acetate fabrics.....	8,310	174,722	8,709	184,383	680,444
2221C 00	85 percent or more filament fabrics, except rayon and/or acetate.....	16,304	1,235,593	16,752	1,118,997	4,697,988
	85 percent or more spun yarn fabrics, except wool blends.....	30,503	923,636	32,412	970,850	3,953,369
2221D 00	Plain weave, except pile.....	24,411	771,882	25,703	803,225	3,299,501
2221E 00	Twill weave, except pile.....	3,317	94,124	3,680	107,910	417,344
2221F 00	All other weaves, except pile.....	2,775	57,360	3,029	59,715	236,254
2221G 00	Spun/filament yarn combinations.....	(D)	(D)	(D)	(D)	(D)
2221H 10	Pile fabrics.....	716	9,859	720	12,062	50,448
2221H 2X	All other chiefly manmade fiber fabrics, including chiefly manmade fiber blends with wool.....	(D)	(D)	(D)	(D)	(D)
2221H 31	Silk fabrics.....	81	201	87	189	761
	Woolen and worsted fabrics.....	1,879	31,437	1,856	32,781	141,775

(D) Data withheld to avoid disclosing figures for individual companies.

† Revised by 5 percent or more from previously published figures.

Table 3. SUMMARY OF PRODUCTION OF BROADWOVEN FABRIC BY TEXTILE CATEGORY

(Thousands of square yards)

Product description	Production during quarter		Production year-to-date
	Fourth quarter 1990	Third quarter 1990	
Blue denim.....	155,587	166,117	659,918
All other yarn dyed fabric.....	103,984	111,203	463,169
Plain weave.....	24,886	25,046	103,771
Twill weave.....	22,257	27,791	119,267
All other weave.....	56,841	58,366	240,131
Cheesecloth and batistes.....	300,798	319,684	1,325,733
Duck.....	(D)	(D)	(D)
Oxfords.....	17,287	18,746	69,848
Pile fabrics.....	113,837	129,895	535,496
Special weave fabric.....	86,896	86,798	347,104
Other fabrics, chiefly cotton fiber:			
Print cloth.....	82,636	85,781	350,350
Poplin and broadcloth.....	21,216	25,069	115,999
Sheeting.....	138,663	140,222	608,418
Twills.....	113,624	106,973	404,905
Sateens.....	13,799	12,812	52,657
Other fabrics, chiefly manmade fiber:			
Manmade/wool blends.....	(D)	(D)	(D)
85 percent or more filament yarn fabrics:			
Typewriter fabric.....	21,053	23,444	93,397
Other nylon.....	86,220	92,880	405,611
Rayon and acetate.....	174,722	184,383	680,444
Polyester.....	153,356	154,998	610,140
Glass fiber.....	96,597	93,055	407,488
All other.....	878,367	754,620	3,181,352
85 percent or more spun yarn fabrics:			
Print cloth.....	165,291	183,694	721,452
Poplin and broadcloth.....	168,975	165,529	663,978
Sheeting.....	381,308	386,756	1,635,385
Twills and sateens.....	99,306	113,131	438,599
Spun filament combinations except blue denim:			
Print cloth.....	88,230	85,077	351,531
Poplin and broadcloth.....	41,130	38,854	171,256
Sheeting.....	45,458	38,990	160,451
Twills and sateens.....	22,622	23,924	93,969
Other.....	100,397	97,902	395,022
Wool fabrics.....	31,437	32,781	141,775
Silk fabrics.....	201	189	761

(D) Data withheld to avoid disclosing figures for individual companies.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1990		Third quarter 1990	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
2211B 02	Tobacco, cheese, and bandage cloth.....	4,657	307,793	4,650	328,490
2221D 04	More than 50 percent cotton.....	4,321	266,991	4,274	274,773
2221D 08	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221D 04	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2211G 08	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211B 12	Print cloth.....	13,542	336,157	14,172	354,552
2221D 14	More than 50 percent cotton.....	5,598	82,636	5,583	85,781
2221D 16	Chiefly spun polyester mixed with cotton.....	4,933	124,763	4,987	137,848
2221D 18	Chiefly spun polyester mixed with rayon.....	1,110	20,317	1,259	26,127
2221G 07	All other fabrics, 85 percent or more spun yarn.....	596	20,211	657	19,719
	Spun/filament combinations.....	1,305	88,230	1,686	85,077
2211B 22	Poplin and broadcloth.....	7,677	251,617	7,818	249,641
2211B 26	More than 50 percent cotton.....	853	27,548	859	30,874
	Weighting 5.9 ounces or less per square yard.....	617	15,197	574	17,209
	Carded.....	332	6,492	288	7,313
	Combed.....	285	8,705	286	9,896
2211B 32	Weighting more than 5.9 ounces per square yard.....	236	12,351	285	13,665
2211B 36	Carded.....	(D)	(D)	(D)	(D)
	Combed.....	(D)	(D)	(D)	(D)
2221D 24	Chiefly spun polyester mixed with cotton.....	4,738	151,057	4,955	150,314
2221D 26	Weighting 5.0 ounces or less per square yard.....	4,616	143,133	4,810	142,389
	Carded.....	3,767	105,968	3,922	103,420
	Combed.....	849	37,165	888	38,969
2221D 28	Weighting more than 5.0 ounces per square yard.....	122	7,924	145	7,925
2221D 32	Carded.....	64	3,897	55	3,499
2221D 34	Combed.....	58	4,027	90	4,426
2221G 19	All other fabrics, 85 percent or more spun yarn.....	1,267	31,882	1,137	29,599
	Spun/filament combinations.....	819	41,130	867	38,854
2211B 42	Lawns, voiles, and batistes.....	237	5,534	181	2,444
2221D 43	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221D 44	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221G 21	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211B 72	Duck, including taped warp duck.....	734	16,871	756	15,629
2221D 88	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221D 92	Chiefly spun polyester mixed with cotton.....	171	2,789	174	2,350
2221G 77	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211B 51	Bedsheeting.....	12,846	428,689	13,618	432,818
2221D 51	More than 50 percent cotton.....	3,006	89,637	3,135	96,637
2221D 53	Chiefly spun polyester mixed with cotton.....	9,174	299,499	9,863	301,940
2221D 55	Carded.....	1,895	79,914	1,824	78,688
2221G 33	Combed.....	7,279	219,585	8,039	223,252
	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211B 62	All other sheeting, including osnaburgs.....	3,603	141,330	4,076	138,007
	More than 50 percent cotton.....	1,646	51,597	1,842	46,456
	Weighting 5.9 ounces or less per square yard.....	1,236	34,605	1,389	32,755
2211B 64	Weighting more than 5.9 ounces per square yard.....	410	16,992	453	13,701
2211B 66	Blanketing.....	<sup>a</sup> 261	<sup>a</sup> 10,677	317	8,707
	All other fabric.....	149	6,315	136	4,994
2221D 64	85 percent or more spun polyester.....	191	5,433	187	7,036
2221D 66	Blanketing.....	(D)	(D)	(D)	(D)
	All other fabric.....	(D)	(D)	(D)	(D)
2221D 74	Chiefly spun polyester mixed with cotton.....	1,109	53,933	1,373	54,271
2221D 76	Weighting 5.0 ounces or less per square yard.....	<sup>a</sup> 876	<sup>a</sup> 43,389	1,022	45,756
	Weighting more than 5.0 ounces per square yard.....	233	10,544	351	8,515
	Chiefly spun acrylic.....	116	7,809	148	7,577
2221D 82	Blanketing.....	(D)	(D)	(D)	(D)
2221D 84	All other fabric.....	(D)	(D)	(D)	(D)
2221D 86	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2221G 45	Spun/filament combinations.....	(D)	(D)	(D)	(D)

See footnotes at end of table.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS--Continued

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1990		Third quarter 1990	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
2211C 01	Blue denim.....	3,505	155,587	3,140	166,117
2211C 03	More than 50 percent cotton.....	3,472	153,619	3,115	164,933
2221E 03	Weighing 10.7 ounces or less per square yard.....	456	23,054	513	22,131
2221G 46	Weighing more than 10.7 ounces per square yard.....	3,016	130,565	2,602	142,802
	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211C 12	All other denim.....	496	28,844	846	34,797
2211C 14	More than 50 percent cotton.....	493	28,764	846	34,539
2211C 16	Weighing 10.7 ounces or less per square yard.....	66	2,227	68	4,266
2211C 18	Weighing more than 10.7 ounces per square yard.....	427	26,537	778	30,273
2221E 14	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221G 48	Spun filament combinations.....	(D)	(D)	(D)	(D)
2211C 22	Canton flannels.....	426	5,329	425	6,382
2211C 32	All other twill weaves.....	6,386	210,680	6,981	217,065
2211C 34	More than 50 percent cotton.....	2,706	101,729	2,934	93,635
2221E 22	Weighing 5.9 ounces or less per square yards.....	1,225	35,400	1,326	40,015
2221E 24	Weighing more than 5.9 ounces per square yard.....	1,481	66,329	1,608	53,620
2221E 26	85 percent or more spun polyester.....	41	1,368	85	2,412
2221E 28	Chiefly spun polyester mixed with cotton.....	2,136	73,522	2,102	77,771
2221E 30	Weighing 5.0 ounces or less per square yard.....	448	8,924	497	9,554
2221E 32	Weighing more than 5.0 ounces per square yard.....	1,688	64,598	1,605	68,217
2221E 34	All other fabrics, 85 percent or more spun yarn.....	1,137	19,154	1,493	27,469
2221G 36	Spun/filament combinations.....	366	14,907	367	15,778
2211D 05	Sateens.....	1,010	26,795	1,053	26,387
2211F 05	More than 50 percent cotton.....	379	13,799	389	12,812
2221F 07	Chiefly spun polyester mixed with cotton.....	197	3,584	137	2,650
2221G 63	All other fabrics, 85 percent or more spun yarn.....	95	1,657	133	2,779
	Spun/filament combinations.....	339	7,755	394	8,146
2211D 12	Oxfords.....	1,002	44,011	951	43,265
2221F 12	More than 50 percent cotton.....	691	31,467	602	32,338
2221F 16	Chiefly spun polyester mixed with cotton.....	157	5,198	160	5,762
2221F 18	All other fabrics, 85 percent or more spun yarn.....	16	3,173	47	2,029
2221G 68	Spun/filament combinations.....	138	4,173	142	3,136
2211D 32	Birdseye diaper cloth.....	(D)	(D)	(D)	(D)
2211D 35	Huck and crash toweling.....	(D)	(D)	(D)	(D)
2211D 45	Table damask.....	291	10,928	323	11,598
2221F 33	More than 50 percent cotton.....	59	802	76	923
2221F 36	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221G 82	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	-	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211D 52	Jacquard and dobby shirting fabrics.....	379	9,455	441	9,856
2221F 42	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221F 44	Chiefly spun polyester mixed with cotton.....	98	1,256	129	1,281
2221G 84	All other fabric, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211D 62	All other weaves.....	7,011	154,086	7,334	155,238
2211D 64	More than 50 percent cotton.....	2,225	41,741	1,984	40,472
2221F 52	Weighing 5.9 ounces or less per square yard.....	1,048	17,528	937	19,183
2221F 54	Weighing more than 5.9 ounces per square yard.....	1,177	24,213	1,047	21,289
2221F 56	85 percent or more spun polyester.....	372	7,437	4275	5,197
2221F 58	Chiefly spun polyester mixed with cotton.....	749	7,312	890	8,607
2221F 60	Weighing 5.0 ounces or less per square yard.....	276	2,858	276	3,503
2221F 62	Weighing more than 5.0 ounces per square yard.....	473	4,454	614	5,104
2221G 87	All other fabrics, 85 percent or more spun yarn.....	787	16,305	967	19,941
	Spun/filament combinations.....	2,878	81,291	3,218	81,021

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report for this series, MQ22T(90)-1, issued July 1990, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. <sup>†</sup>Revised by 5 percent or more from previously published figures.



Table 5. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE FILAMENT YARN FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1990		Third quarter 1990	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	85 percent or more filament yarn fabrics.....	24,614	1,410,315	25,461	1,303,380
	High tenacity yarn fabrics.....	891	23,144	896	20,814
2221B 01	100 percent and chiefly rayon.....	471	4,753	473	4,730
2221C 01	100 percent and chiefly nylon.....	<sup>a</sup> 197	7,432	193	6,506
2221C 03	100 percent and chiefly polyester.....	223	10,959	230	9,578
	85 percent or more acetate or triacetate filament yarn fabrics.....	<sup>1</sup> 5,761	<sup>1</sup> 131,292	<sup>1</sup> 6,103	<sup>1</sup> 136,725
	Weighing not more than 5 ounces per square yard.....	<sup>1</sup> 4,931	<sup>1</sup> 114,527	<sup>1</sup> 5,312	<sup>1</sup> 121,360
2221B 21	Plain weave.....	<sup>1</sup> 3,156	<sup>1</sup> 174,220	<sup>1</sup> 3,453	<sup>1</sup> 176,928
2221B 23	Other weaves.....	1,775	40,307	1,859	44,432
	Weighing more than 5 ounces per square yard.....	1830	<sup>1</sup> 16,765	1791	<sup>1</sup> 15,365
2221B 25	Plain weave.....	(D)	(D)	(D)	(D)
2221B 27	Other weaves.....	(D)	(D)	(D)	(D)
	85 percent or more rayon filament yarn fabrics.....	(1)	(1)	(1)	(1)
2221B 41	Weighing not more than 5 ounces per square yard.....	(1)	(1)	(1)	(1)
2221B 43	Weighing more than 5 ounces per square yard.....	(1)	(1)	(1)	(1)
	Other chiefly rayon and/or acetate filament yarn fabrics.....	2,078	38,677	2,133	42,928
2221B 51	Weighing not more than 5 ounces per square yard.....	773	9,960	755	9,717
2221B 53	Weighing more than 5 ounces per square yard.....	<sup>a</sup> 1,305	<sup>a</sup> 28,717	<sup>a</sup> 1,378	<sup>a</sup> 33,211
	85 percent or more nylon filament yarn fabrics.....	3,203	96,732	3,378	106,252
2221C 11	Typewriter and other impression fabrics.....	726	21,053	739	23,444
	Other 85 percent or more nylon filament yarn fabrics.....	2,477	75,679	2,639	82,808
	Weighing not more than 5 ounces per square yard.....	2,305	67,213	2,466	74,103
2221C 13	Flat, non-textured.....	2,089	60,708	2,247	67,403
2221C 15	All other.....	216	6,505	219	6,700
	Weighing more than 5 ounces per square yard.....	172	8,466	173	8,705
2221C 23	Flat, non-textured.....	57	2,100	66	<sup>a</sup> 2,560
2221C 25	All other.....	115	6,366	107	6,145
	Other chiefly nylon filament fabrics.....	319	3,109	348	3,566
2221C 31	Weighing not more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)
2221C 33	Weighing more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)
	85 percent or more polyester filament yarn fabrics.....	5,465	139,939	<sup>r</sup> 5,692	142,212
	Textured.....	3,759	99,128	<sup>r</sup> 3,709	95,020
2221C 44	Weighing not more than 5 ounces per square yard <sup>2</sup> .....	1,968	48,815	<sup>r</sup> 1,905	43,576
2221C 43	Flat.....	(D)	(D)	(D)	(D)
2221C 45	Other.....	(D)	(D)	(D)	(D)
2221C 50	Weighing more than 5 ounces per square yard <sup>2</sup> .....	1,791	50,313	<sup>r</sup> 1,804	51,444
	Non-textured.....	1,706	40,811	1,983	47,192
2221C 62	Weighing not more than 5 ounces per square yard <sup>2</sup> .....	914	22,263	1,127	25,966
2221C 66	Weighing more than 5 ounces per square yard <sup>2</sup> .....	792	18,548	856	21,226
2221C 73	Other chiefly polyester filament fabrics.....	157	2,458	199	3,208
	Glass fiber fabrics.....	2,729	96,597	2,686	93,055
2221C 82	Woven roving and screening.....	69	3,782	<sup>b</sup> 67	<sup>b</sup> 2,771
2221C 89	All other glass fiber fabrics.....	2,660	92,815	2,619	<sup>a</sup> 90,284
	All other 85 percent or more filament yarn fabrics, including saran and olefin and fabrics obtained from strip, except rayon and/or acetate.....	4,011	878,367	4,026	754,620
2221C 91	Carpet backing.....	2,810	807,446	2,808	685,721
2221C 93	All other.....	1,201	70,921	1,218	68,899

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report for this series, MQ22T(90)-1, issued July 1990, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.

<sup>1</sup>Included with 85 percent or more acetate or triacetate filament yarn fabric to avoid disclosing figures for individual companies.

<sup>2</sup>Classified on a finished weight basis.



Table 6. PRODUCTION AND LOOM ASSIGNMENT OF PILE FABRICS  
(INCLUDES YARN DYED FABRIC)

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1990		Third quarter 1990	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Pile fabrics.....	6,071	113,837	6,247	129,895
	Corduroy.....	1,094	11,627	940	14,022
	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2211E 01	Finewales and pinwales.....	516	5,158	547	7,480
2211E 03	Midwales.....	(D)	(D)	(D)	(D)
2211E 05	Thicksets.....	(D)	(D)	(D)	(D)
2211E 07	Widewales and other.....	446	4,636	272	3,346
2221H 01	Chiefly manmade fiber.....	(D)	(D)	(D)	(D)
	Velvets, plushes, and other pile fabrics.....	794	10,448	809	13,378
2211E 21	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221H 11	Chiefly manmade fiber.....	(D)	(D)	(D)	(D)
	Terry cloth and terry toweling.....	4,183	91,762	4,498	102,495
2211E 32	Terry toweling.....	(D)	(D)	(D)	(D)
2211E 34	Terry cloth.....	(D)	(D)	(D)	(D)

(D) Data withheld to avoid disclosing figures for individual companies.

Table 7. PRODUCTION AND LOOM ASSIGNMENT OF WOOLEN AND WORSTED FABRICS.  
INCLUDING CHIEFLY MANMADE/WOOL BLENDS AND CHIEFLY COTTON/WOOL BLENDS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1990		Third quarter 1990	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Woolen and worsted fabrics, 36 percent or more wool (except felts) <sup>1</sup> .....	1,879	31,437	1,856	32,781
	Apparel fabrics, including government orders.....	1,711	28,746	1,690	29,994
	Worsted fabrics.....	989	18,319	r 975	17,935
22312 01	Weighing not more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)
22312 02	Weighing more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)
	Woolen fabrics.....	722	10,427	715	12,059
22312 21	Weighing not more than 9 ounces per square yard.....	(D)	(D)	(D)	(D)
22312 23	Weighing more than 9 ounces per square yard.....	(D)	(D)	(D)	(D)
	Nonapparel fabrics, including government orders (except felts).....	168	2,691	r 166	2,787
22312 62	Blanketing, including thermal.....	a 23	675	a 22	575
22312 85	All other fabrics.....	b 145	b 2,016	b r 144	b 2,212
22312 92	Woven felts (thousands of pounds).....	a 158	1,462	157	1,466
	Chiefly manmade/wool blend and chiefly cotton/wool blend fabrics.....	(D)	(D)	(D)	(D)
2221H 22	Chiefly spun polyester mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)
2221H 21	All other chiefly spun fibers mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)
2221H 92	Chiefly filament polyester mixed mainly or solely with wool or spun polyester/wool blends.....	(D)	(D)	(D)	(D)
2221H 98	All other chiefly filament yarn mixed mainly or solely with wool...	(D)	(D)	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report for this series, MQ221(90)-1, issued July 1990, for a discussion of estimation of missing reports): a10 to 25 percent of this item is estimated. b26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. r Revised by 5 percent or more from previously published figures.

<sup>1</sup> Includes fabrics 36 percent or more wool or reprocessed wool by weight. 1986 and prior years include fabrics 50 percent or more wool or reprocessed wool by weight.



Table 8. PRODUCTION AND LOOM ASSIGNMENT OF UPHOLSTERY FABRICS  
(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1990		Third quarter 1990	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Upholstery fabrics.....	4,059	86,311	4,350	91,231
	85 percent or more spun yarn and spun filament combinations.....	3,278	70,523	3,522	75,016
2211E 41	Pile woven.....	783	15,802	843	18,628
2221H 41	All cotton and chiefly cotton.....	<sup>a</sup> 116	<sup>a</sup> 972	<sup>a</sup> 153	1,534
	All manmade and chiefly manmade.....	<sup>a</sup> 667	14,830	<sup>a</sup> 690	17,094
2211X 01	Flat woven.....	2,495	54,721	<sup>r</sup> 2,679	56,388
	All cotton and chiefly cotton.....	834	18,778	<sup>r</sup> 851	18,901
	All manmade and chiefly manmade.....	1,661	35,943	<sup>r</sup> 1,828	37,487
2221X 01	Olefin.....	332	8,344	<sup>r</sup> 331	7,370
2221X 03	All other flat woven manmade fiber fabrics.....	<sup>a</sup> 1,329	<sup>a</sup> 27,599	<sup>a</sup> 1,497	<sup>a</sup> 30,117
	85 percent or more filament yarn.....	781	15,788	<sup>r</sup> 828	16,215
2221C 77	All polyester and chiefly polyester.....	381	6,554	<sup>r</sup> 375	6,752
2221C 78	All nylon and chiefly nylon.....	(D)	(D)	(D)	(D)
2221C 98	All olefin and chiefly olefin.....	<sup>b</sup> 259	<sup>a</sup> 6,838	310	<sup>a</sup> 7,335
2221C 99	All other filament fiber fabrics.....	(D)	(D)	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report for this series, MQ22T(90)-1, issued July 1990, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

These data are included in the data shown in tables 4, 5, and 6.

(D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.

Table 9. PRODUCTION OF TIRE CORD AND TIRE CORD FABRICS  
(Thousands of pounds)

Product code	Product description	Production during quarter	
		Fourth quarter 1990	Third quarter 1990
22960 00	Tire cord and tire cord fabrics.....	172,170	168,306
22960 12	Cotton tire cord and tire cord fabrics.....	(D)	(D)
22960 32	Rayon tire cord and tire cord fabrics.....	(D)	(D)
22960 35	Nylon tire cord and tire cord fabrics.....	39,430	38,602
22960 37	Polyester tire cord and tire cord fabrics.....	43,662	44,447
22960 38	Glass tire cord and tire cord fabrics.....	279	262
22960 45	Steel tire cord.....	85,083	81,306
22960 51	All other tire cord and tire cord fabrics including chafer....	2,975	3,023

(D) Data withheld to avoid disclosing figures for individual companies.

Table 10. LOOMS IN PLACE AND LOOM HOURS OPERATED IN BROADWOVEN FABRIC MILLS

Product description	Fourth quarter 1990		Third quarter 1990	
	Looms in place (number)	Thousands of loom hours operated	Looms in place (number)	Thousands of loom hours operated
Total.....	106,967	166,271	108,801	172,627
Shuttle type looms.....	40,902	59,909	42,908	63,732
Single shuttle cam looms.....	27,159	42,213	28,789	43,926
Single shuttle dobby looms.....	8,468	11,711	8,626	12,973
Multiple shuttle box or head motion looms.....	<sup>a</sup> 2,875	3,436	3,071	3,774
Double shuttle pile and plush, and jacquard looms.....	2,400	2,549	2,422	3,059
Shuttleless looms and weaving machines.....	66,065	106,362	65,893	108,895
Single filling insertion capability.....	38,693	66,968	38,976	68,075
Air jet looms.....	15,307	27,274	15,312	27,742
Water jet looms.....	6,081	9,033	6,252	9,444
Projectile looms.....	12,010	21,736	11,961	21,364
Rapier looms.....	5,295	8,925	5,451	9,525
Multiple filling insertion capability.....	26,679	38,723	26,227	40,039
Air jet looms.....	(D)	(D)	(D)	(D)
Water jet looms.....	(D)	(D)	(D)	(D)
Projectile looms.....	11,515	17,165	11,522	18,482
Rapier looms.....	11,960	16,656	11,950	17,239
Pile and plush looms.....	<sup>a</sup> 693	<sup>a</sup> 671	690	<sup>a</sup> 781

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report for this series, MQ22T(90)-1, issued July 1990, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies.



Table 11. PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF BROADWOVEN FABRICS: FOURTH QUARTER 1990

(Quantity in thousands of square yards; value in thousands of dollars)

Product description	Manufacturers' shipments <sup>1</sup> (quantity)	Imports for consumption <sup>2</sup>		Percent imports to manufacturers' shipments <sup>3</sup> (quantity)	Exports of domestic merchandise <sup>4</sup>		Percent exports to manufacturers' shipments <sup>3</sup> (quantity)	Apparent consumption <sup>5</sup>
		Quantity	Value <sup>3</sup>		Quantity	Value		
Cotton fabrics <sup>6</sup> .....	1,043,300	376,846	334,050	36.1	(NA)	(NA)	(NA)	(NA)
Cheesecloth and batistes.....	(D)	9,358	6,561	(D)	10,807	16,462	(D)	(D)
Print cloth.....	82,636	97,286	56,939	117.7	1,048	1,855	1.3	178,873
Poplin and broadcloth.....	21,216	58,248	43,878	274.5	7,521	14,320	35.4	71,943
Weighing 5.9 ounces or less per square yard.....	10,116	58,125	43,014	574.6	3,933	8,224	38.9	64,308
Weighing more than 5.9 ounces per square yard.....	11,100	123	864	1.1	3,588	6,096	32.3	7,635
Duck, including tape warp.....	(D)	16,537	17,190	(D)	2,863	6,291	(D)	(D)
Sheeting.....	138,663	108,492	78,088	78.2	3,717	8,679	2.7	243,438
Twills and sateens.....	127,423	48,431	55,242	38.0	2,577	5,144	2.0	173,277
Oxfords.....	8,963	1,345	2,843	15.0	(NA)	(NA)	(NA)	(NA)
All other constructions.....	61,375	16,371	19,695	26.7	9,987	23,751	16.3	67,759
Blue Denim.....	153,619	5,635	10,184	3.7	16,965	38,990	11.0	142,290
Yarn dyed fabric.....	69,398	14,049	38,530	20.2	5,701	10,311	8.2	77,747
Pile fabrics, including yarn dyed.....	103,978	1,093	4,900	1.1	2,523	6,793	2.4	102,547
Manmade fiber fabrics.....	2,656,844	145,321	325,997	5.5	74,401	149,543	2.8	2,727,764
85% or more filament yarn fabrics.....	1,410,315	70,630	127,095	5.0	39,716	78,809	2.8	1,441,230
Nylon and polyester high tenacity fabric.....	18,391	2,013	5,111	10.9	9,685	19,371	52.7	10,720
Rayon high tenacity fabric.....	4,753	81	416	1.7	442	975	9.3	4,392
Typewriter fabric.....	21,053	3	52	-	(NA)	(NA)	(NA)	(NA)
Rayon or acetate filament yarn fabrics.....	169,969	2,823	7,202	1.7	2,946	6,587	1.7	169,845
Polyester filament yarn fabric.....	142,397	52,213	95,573	36.7	16,166	24,409	11.4	178,445
Glass fiber fabric.....	96,597	7,625	9,424	7.9	(NA)	(NA)	(NA)	(NA)
Nylon filament yarn fabric.....	78,788	5,161	7,521	6.5	4,553	13,902	5.8	79,396
All other filament yarn fabric.....	878,367	712	1,796	0.1	5,924	13,565	0.7	873,155
85% or more spun yarn fabric.....	933,495	48,188	64,829	5.2	24,298	44,588	2.6	957,385
Cheesecloth and batistes.....	33,228	2,138	1,764	6.4				
Poplin broadcloth.....	168,975	10,971	10,269	6.5				
Polyester/cotton.....	140,557	9,344	7,602	6.6				
Weighing 5.0 ounces or less per square yard.....	132,639	8,780	6,499	6.6				
Weighing more than 5.0 ounces per square yard.....	7,918	564	1,103	7.1				
All other spun yarns.....	28,418	1,627	2,667	5.7				
Print cloth.....	165,291	13,566	7,493	8.2				
Polyester/cotton.....	124,763	9,118	4,512	7.3				
All other spun yarns.....	40,528	4,448	2,981	11.0				
Duck.....	(D)	97	410	(D)				
Sheeting.....	381,308	3,095	3,912	0.8				
Polyester/cotton.....	(D)	2,119	1,682	(D)	22,184	38,514	(NA)	(NA)
Weighing 5.0 ounces or less per square yard.....	340,968	-	-	-				
Weighing more than 5.0 ounces per square yard.....	(D)	2,119	1,682	(D)				
All other spun yarn.....	(D)	977	2,230	(D)				
Sateens or twills.....	99,306	10,227	11,465	10.3				
Oxford.....	8,324	15	40	0.2				
All other spun manmade fiber fabrics.....	25,521	1,440	6,125	5.6				
Yarn dyed fabric.....	34,586	6,028	19,174	17.4				
Pile fabrics.....	9,859	611	4,177	6.2	2,115	6,074	21.4	8,356
Spun/filament yarn combinations, including yarn dyed.....	(D)	16,696	35,593	(D)	9,998	23,158	(D)	(D)
Chiefly manmade/wool blends.....	(D)	2,896	12,000	(D)	(NA)	(NA)	(NA)	(NA)
Silk fabrics.....	201	6,910	86,480	3,437.7	389	2,988	193.4	6,722
Wool fabrics.....	31,437	1,043	13,349	3.3	635	3,415	2.0	31,845
Chiefly cotton fabrics blended with wool and other vegetable fibers and other vegetable fiber fabrics.....	(D)	21	266	(D)	646	2,217	(D)	(D)

Note: Fabric blends as shown in Current Industrial Reports Series MQ22T are reported based on the chief weight of the fiber whereas fabric blends as shown for imports and exports are based on the chief value of the fiber.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. (NA) Not available.

<sup>1</sup> Represents production of gray broadwoven fabrics; import and export data represent gray as well as finished broadwoven fabrics. For a comparison of Standard Industrial Classification (SIC) based product codes with Schedule B export numbers and HTSUSA import numbers, see table 12 of the first quarter report of this series, MQ22T(90)-1, issued July 1990.

<sup>2</sup> Source: Bureau of the Census Report IM 145, U.S. Imports for Consumption.

<sup>3</sup> Source: Bureau of the Census Report EM 545, U.S. Exports.

<sup>4</sup> This dollar value represents the c.i.f. (cost, insurance, and freight) at the first port of entry in the United States plus calculated import duty.

<sup>5</sup> Apparent consumption represents new domestic supply and is derived by subtracting exports from the total manufacturers' shipments plus imports.

<sup>6</sup> Includes all cotton and chiefly cotton mixed with manmade fiber.



**THE INDUSTRY AND PRODUCT CLASSIFICATION MANUAL**, until this 1987 edition, was an internal Bureau of the Census reference document used primarily to assign SIC-based codes to industries and products for the economic censuses and current surveys. Because of data users' interest and many requests, the Census Bureau is making this publication available to the public.

## FC87-B-3



One of the major highlights of this publication is the subdivision of the 1987 SIC Manual's four-digit industries into greater detail for the Transportation, Communications, Electric, Gas, and Sanitary Services; Wholesale Trade; Retail Trade; and Services Divisions. Other highlights include the following:

- Industrial coverage of the Economic and Agriculture Censuses described within the context of each SIC division.
- Information on report forms used in collecting data for the Census Bureau's economic programs.
- Census Bureau's interpretation, in applying the establishment concept as defined in the 1987 SIC Manual.
- Narrative descriptions and establishment concepts of each SIC division including discussions on borderline activities which may or may not be covered within that division.
- A list of the industry codes, titles, and census form numbers used to collect data by industry, for each SIC division.
- An alphabetic index to industries for various activities and products, for each SIC division.
- A separate section on auxiliary establishments.



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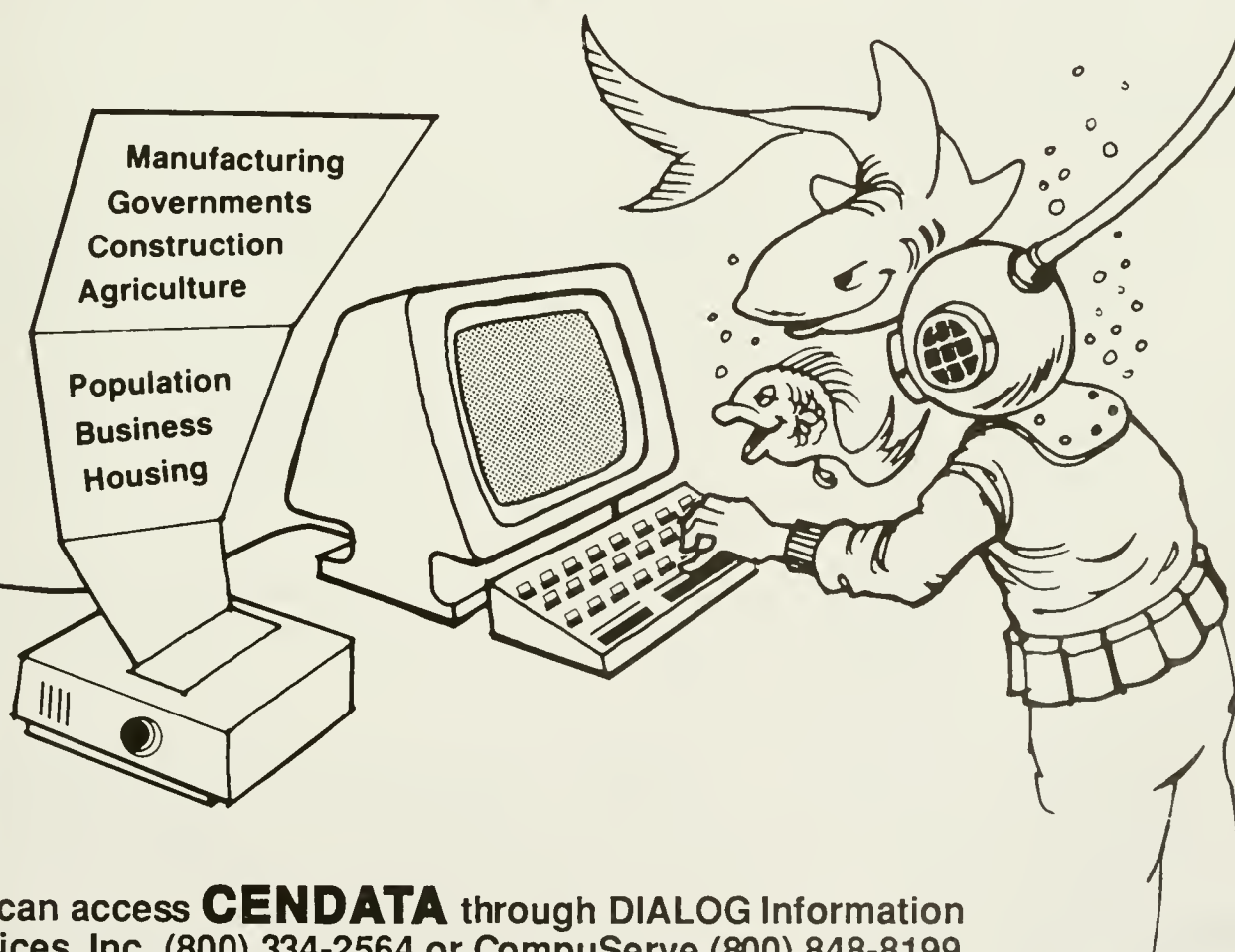


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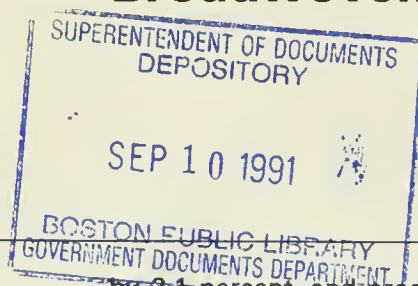


# Broadwoven Fabrics (Gray)

3.158:MQ 22 T(90)-5

Current Industrial Reports,...

U.S. Department of Commerce  
Economics and Statistics Administration  
BUREAU OF THE CENSUS



SUMMARY FOR 1990

MQ22T(90)-5  
Issued July 1991

## SUMMARY OF FINDINGS

Production of cotton broadwoven goods decreased by 2.7 percent in 1990 from 4,589.1 million square yards in 1989 to 4,463.4 million square yards in 1990.

Production of manmade fiber fabrics decreased 2.8 percent in 1990 from 10,962.8 million square yards in 1989 to 10,662.5 million square yards in 1990. Production of 85 percent or more filament yarn fabrics decreased

by 2.1 percent and production of 85 percent or more spun yarn fabrics decreased by 5.2 percent.

Production of woolen and worsted fabrics decreased from 176.5 million square yards in 1989 to 140.7 million square yards in 1990.

A description of the survey methodology and related information appears on page 14.

Table 1. SUMMARY OF PRODUCTION OF BROADWOVEN GRAY FABRICS, BY TYPE OF FABRIC: 1986 TO 1990

(Millions of square yards)

Year	Chiefly cotton fabrics	Manmade fiber fabrics, including silk and manmade/wool blends	Chiefly wool fabric	Tire cord and tire cord fabrics
1990				
Fourth quarter.....	1,048.0	2,700.2	31.4	177.8
Third quarter.....	1,087.3	2,585.9	32.6	172.5
Second quarter.....	1,126.6	2,664.2	38.7	183.3
First quarter.....	1,201.5	2,712.2	38.0	184.7
1989				
Fourth quarter.....	1,105.8	2,714.6	37.0	161.4
Third quarter.....	1,134.3	2,670.0	40.1	172.0
Second quarter.....	1,191.8	2,782.2	50.9	179.3
First quarter.....	1,157.2	2,796.0	48.3	175.7
1988				
Fourth quarter.....	1,052.3	2,847.7	43.9	168.9
Third quarter.....	1,072.2	2,735.6	43.0	169.5
Second quarter.....	1,255.0	2,877.6	53.0	157.7
First quarter.....	1,252.1	2,908.8	50.6	153.8
1987				
Fourth quarter.....	1,178.2	2,945.9	40.9	126.8
Third quarter.....	1,219.1	2,787.7	36.0	122.1
Second quarter.....	1,216.9	2,764.0	45.9	121.9
First quarter.....	1,158.0	2,736.7	46.0	124.5
1986				
Fourth quarter.....	1,129.3	2,785.4	30.2	116.0
Third quarter.....	1,095.2	2,561.5	27.8	105.9
Second quarter.....	1,102.6	2,659.8	41.2	108.8
First quarter.....	1,037.0	2,757.5	40.2	112.8

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Keith Featherstone, (301) 763-2553.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.



Table 2. SUMMARY OF PRODUCTION AND LOOM ASSIGNMENTS OF BROADWOVEN GRAY FABRICS: 1990

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Looms operating end of year	Production				
			Total	First quarter	Second quarter	Third quarter	Fourth quarter
	Cotton and chiefly cotton fabrics mixed mainly or solely with manmade fibers.....	32,689	4,463,478	1,201,486	1,126,638	1,087,318	1,048,036
2211B 00	Plain weaves.....	15,911	2,303,259	635,239	588,277	547,560	532,183
2211C 00	Twill weaves.....	7,097	1,176,340	292,088	295,322	299,489	289,441
2211D 00	All other weaves except pile.....	4,326	496,184	132,934	118,380	122,436	122,434
2211E 00	Pile fabrics.....	5,355	487,695	141,225	124,659	117,833	103,978
	Chiefly cotton fabrics mixed mainly or solely with other than manmade fibers.....	(D)	(D)	(D)	(D)	(D)	(D)
	Manmade fiber and silk gray broadwoven fabrics.....	63,596	10,662,497	2,712,216	2,664,224	2,585,876	2,700,181
2221B 00	85 percent or more filament rayon and/or acetate fabrics.....	8,590	700,465	161,461	170,337	188,593	180,074
2221C 00	85 percent or more filament fabrics, except rayon and/or acetate.....	16,389	4,749,104	1,178,967	1,170,860	1,121,098	1,278,179
	85 percent or more spun yarn fabrics, except wool blends.....	30,439	3,934,992	1,049,550	1,000,018	966,273	919,151
2221D 00	Plain weave, except pile.....	24,354	3,282,891	877,491	838,593	799,075	767,732
2221E 00	Twill weave, except pile.....	3,317	417,344	113,447	101,863	107,910	94,124
2221F 00	All other weaves, except pile.....	2,768	234,757	58,612	59,562	59,288	57,295
2221G 00	Spun/filament yarn combinations.....	(D)	(D)	(D)	(D)	(D)	(D)
2221H 10	Pile fabrics.....	714	50,435	15,022	13,486	12,061	9,866
2221H 29	All other chiefly manmade fiber fabrics, including chiefly manmade fiber blends with wool...	(D)	(D)	(D)	(D)	(D)	(D)
2221H 28	Silk fabrics.....	81	761	196	175	189	201
	Woolen and worsted fabrics.....	1,880	140,702	38,035	38,680	32,619	31,368

(D) Data withheld to avoid disclosing figures for individual companies.

Table 3. PRODUCTION OF BROADWOVEN FABRIC BY TEXTILE CATEGORY: 1990

(Thousands of square yards)

Product description	Production				
	Total	First quarter	Second quarter	Third quarter	Fourth quarter
Blue denim.....	659,918	170,692	167,522	166,117	155,587
All other yarn dyed fabric.....	462,165	125,060	121,855	111,327	103,923
Plain weave.....	103,567	27,818	25,919	24,995	24,835
Twill weave.....	119,267	32,667	36,552	27,791	22,257
All other weave.....	239,331	64,575	59,384	58,541	56,831
Cheesecloth and batistes.....	1,325,733	360,518	344,733	319,684	300,798
Duck.....	(D)	(D)	(D)	(D)	(D)
Oxfords.....	69,886	18,038	15,815	18,746	17,287
Pile fabrics.....	538,130	156,247	138,145	129,894	113,844
Special weave fabric.....	346,369	89,305	84,297	86,196	86,571
Other fabrics, chiefly cotton fiber:					
Print cloth.....	350,350	98,087	83,846	85,781	82,636
Poplin and broadcloth.....	115,999	32,902	36,812	25,069	21,216
Sheeting.....	625,966	182,808	155,499	144,609	143,050
Twill.....	404,905	91,100	93,208	106,973	113,624
Sateens.....	52,657	14,032	12,014	12,812	13,799
Other fabrics, chiefly manmade fiber:					
Manmade/wool blends.....	(D)	(D)	(D)	(D)	(D)
85 percent or more filament yarn fabrics:					
Typewriter fabric.....	93,397	24,296	24,604	23,444	21,053
Other nylon.....	405,662	123,786	102,758	92,886	86,232
Rayon and acetate.....	700,465	161,461	170,337	188,593	180,074
Polyester.....	617,988	151,965	155,067	156,299	154,657
Glass fiber.....	411,767	110,897	108,887	94,231	97,752
All other.....	3,220,290	768,023	779,544	754,238	918,485
85 percent or more spun yarn fabrics:					
Print cloth.....	721,452	191,058	181,409	183,694	165,291
Poplin and broadcloth.....	663,978	161,656	167,818	165,529	168,975
Sheeting.....	1,620,385	444,151	415,670	383,006	377,558
Twill and sateens.....	438,599	118,177	107,985	113,131	99,306
Spun filament combinations except blue denim:					
Print cloth.....	351,531	89,036	89,188	85,077	88,230
Poplin and broadcloth.....	171,256	46,014	45,258	38,854	41,130
Sheeting.....	160,451	38,818	37,185	38,990	45,458
Twill and sateens.....	94,009	24,513	22,910	23,924	22,662
Other.....	394,739	96,454	99,826	97,984	100,475
Wool fabrics.....	140,702	38,035	38,680	32,619	31,368
Silk fabrics.....	761	196	175	189	201

(D) Data withheld to avoid disclosing figures for individual companies.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS: 1990

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
	85 percent or more spun yarn, spun/filament combinations and chiefly cotton or manmade fibers.....	64,599	9,089,068	72,509	2,406,151	68,836	2,298,014	67,751	2,221,771	64,599	2,163,132
2211B 02	Tobacco, cheese, and bandage cloth....	4,657	1,352,086	4,786	364,129	4,753	351,674	4,650	328,490	4,657	307,793
2221D 04	More than 50 percent cotton.....	4,321	1,140,064	4,278	302,858	4,316	295,442	4,274	274,773	4,321	266,991
2221D 08	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211G 04	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Spun-filament combination.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211B 12	Print cloth.....	13,542	1,423,333	16,188	378,181	14,163	354,443	14,172	354,552	13,542	336,157
2221D 14	More than 50 percent cotton.....	5,598	350,350	5,744	98,087	5,200	83,846	5,583	85,781	5,598	82,636
2221D 16	Chiefly spun polyester mixed with cotton.....	4,933	547,948	5,744	143,556	5,451	141,781	4,987	137,848	4,933	124,763
2221D 18	Chiefly spun polyester mixed with rayon.....	1,110	101,199	2,554	33,619	1,326	21,136	1,259	26,127	1,110	20,317
2221D 18	All other fabrics, 85 percent or more spun yarn.....	596	72,305	<sup>a</sup> 631	<sup>a</sup> 13,883	<sup>a</sup> 592	<sup>a</sup> 18,492	657	19,719	596	20,211
2221G 07	Spun/filament combinations.....	1,305	351,531	1,515	89,036	1,594	89,188	1,686	85,077	1,305	88,230
	Poplin and broadcloth.....	7,677	1,037,709	7,949	264,183	8,016	272,268	7,818	249,641	7,677	251,617
	More than 50 percent cotton.....	853	143,930	1,370	41,276	1,563	44,232	859	30,874	853	27,548
2211B 22	Weighing 5.9 ounces or less per square yard.....	617	96,285	1,164	31,509	1,291	32,370	574	17,209	617	15,197
2211B 26	Carded.....	332	47,195	741	15,746	820	17,644	288	7,313	332	6,492
	Combed.....	285	49,090	423	15,763	471	14,726	286	9,896	285	8,705
2211B 32	Weighing more than 5.9 ounces per square yard.....	236	47,645	206	9,767	272	11,862	285	13,665	236	12,351
2211B 36	Carded.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Combed.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Chiefly spun polyester mixed with cotton.....	4,738	595,166	4,328	146,438	4,498	147,357	4,955	150,314	4,738	151,057
2221D 24	Weighing 5.0 ounces or less per square yard.....	4,616	557,111	4,045	133,512	4,308	138,077	4,810	142,389	4,616	143,133
2221D 26	Carded.....	3,767	385,884	2,912	79,072	3,422	97,424	3,922	103,420	3,767	105,968
	Combed.....	849	171,227	1,133	54,440	886	40,653	888	38,969	849	37,165
2221D 28	Weighing more than 5.0 ounces per square yard.....	122	38,055	283	12,926	190	9,280	145	7,925	122	7,924
2221D 32	Carded.....	64	18,621	148	7,453	60	3,772	55	3,499	64	3,897
2221D 34	Combed.....	58	19,434	135	5,473	130	5,508	90	4,426	58	4,027
2221G 19	All other fabrics, 85 percent or more spun yarn.....	1,267	127,357	1,372	30,455	1,083	35,421	1,137	29,599	1,267	31,882
	Spun/filament combinations.....	819	171,256	879	46,014	872	45,258	867	38,854	819	41,130
2211B 42	Lawns, voiles, and batistes.....	237	19,995	614	7,474	384	4,543	181	2,444	237	5,534
2221D 43	More than 50 percent cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221D 44	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 28	All other fabrics, 85 percent or more spun yarn.....	—	(D)	—	(D)	—	(D)	—	(D)	—	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211B 72	Duck, including taped warp duck.....	734	64,419	798	15,224	789	16,695	756	15,629	734	16,871
2221D 88	More than 50 percent cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221D 92	Chiefly spun polyester mixed with cotton.....	171	10,633	174	2,776	168	2,718	174	2,350	171	2,789
2221D 92	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 77	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211B 51	Bedsheeting.....	12,846	1,800,749	14,492	481,590	14,192	457,652	13,618	432,818	12,846	428,689
	More than 50 percent cotton.....	3,006	391,341	3,348	104,310	3,333	100,757	3,135	96,637	3,006	89,637
2221D 51	Chiefly spun polyester mixed with cotton.....	9,174	1,270,059	10,618	344,080	10,322	324,540	9,863	301,940	9,174	299,499
2221D 53	Carded.....	1,895	322,053	1,735	82,749	1,855	80,702	1,824	78,688	1,895	79,914
2221D 55	Combed.....	7,279	948,006	8,883	261,331	8,467	243,838	8,039	223,252	7,279	219,585
2221G 33	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211B 62	All other sheeting, including osnaburgs.....	3,604	623,144	5,340	188,394	4,118	154,241	4,077	138,593	3,604	141,916
	More than 50 percent cotton.....	1,704	245,692	2,611	81,218	1,967	56,949	1,900	51,192	1,704	56,333
	Weighing 5.9 ounces or less per square yard.....	1,263	171,340	2,190	60,108	1,586	39,520	1,416	34,931	1,263	36,781
2211B 64	Weighing more than 5.9 ounces per square yard.....	441	74,352	421	21,110	381	17,429	484	16,261	441	19,552
2211B 66	Blanketing.....	292	45,749	218	10,153	236	11,092	348	11,267	292	13,237
	All other fabric.....	149	28,603	203	10,957	145	6,337	136	4,994	149	6,315
2221D 64	85 percent or more spun polyester.....	191	30,092	280	11,175	211	6,448	187	7,036	191	5,433
2221D 66	Blanketing.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	All other fabric.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221D 74	Chiefly spun polyester mixed with cotton.....	1,052	202,959	1,232	50,008	1,168	53,047	1,316	50,121	1,052	49,783
	Weighing 5.0 ounces or less per square yard.....	850	171,347	956	42,000	876	44,292	996	43,711	850	41,344
2221D 76	Weighing more than 5.0 ounces per square yard.....	202	31,612	276	8,008	292	8,755	320	6,410	202	8,439
2221D 82	Chiefly spun acrylic.....	116	36,580	194	10,797	187	10,397	148	7,577	116	7,809
2221D 84	Blanketing.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221D 86	All other fabric.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 45	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

See footnotes at end of table.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS: 1990--Continued

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
2211C 01	Blue denim.....	3,505	659,918	3,209	170,692	3,149	167,522	3,140	166,117	3,505	155,587
	More than 50 percent cotton.....	3,472	653,611	3,190	169,187	3,114	165,872	3,115	164,933	3,472	153,619
	Weighing 10.7 ounces or less per square yard.....	456	89,181	346	19,005	471	24,991	513	22,131	456	23,054
2211C 03	Weighing more than 10.7 ounces per square yard.....	3,016	564,430	2,844	150,182	2,643	140,881	2,602	142,802	3,016	130,565
2221E 03	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 46	Spun/filament combinations.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	All other denim.....	496	141,168	822	36,050	814	41,477	846	34,797	496	28,844
2211C 12	More than 50 percent cotton.....	493	139,578	815	35,149	802	41,126	846	34,539	493	28,764
	Weighing 10.7 ounces or less per square yard.....	66	15,026	72	3,651	96	4,882	68	4,266	66	2,227
2211C 14	Weighing more than 10.7 ounces per square yard.....	427	124,552	743	31,498	706	36,244	778	30,273	427	26,537
2221E 14	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 48	Spun filament combinations.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211C 22	Canton flannels.....	426	21,325	401	4,697	437	4,917	425	6,382	426	5,329
	All other twill weaves.....	6,386	834,256	6,646	209,246	7,079	197,265	6,981	217,065	6,386	210,680
2211C 32	More than 50 percent cotton.....	2,706	361,826	2,542	83,055	2,795	83,407	2,934	93,635	2,706	101,729
	Weighing 5.9 ounces or less per square yards.....	1,225	146,431	1,175	35,675	1,360	35,341	1,326	40,015	1,225	35,400
2211C 34	Weighing more than 5.9 ounces per square yard.....	1,481	215,395	1,367	47,380	1,435	48,066	1,608	53,620	1,481	66,329
2221E 22	85 percent or more spun polyester... Chiefly spun polyester mixed with cotton.....	41	8,427	108	1,007	147	3,640	85	2,412	41	1,368
	Weighing 5.0 ounces or less per square yard.....	2,136	327,577	2,531	98,210	2,316	78,074	2,102	77,771	2,136	73,522
2221E 24	Weighing more than 5.0 ounces per square yard.....	448	42,696	528	13,125	491	11,093	497	9,554	448	8,924
2221E 26	Weighing more than 5.0 ounces per square yard.....	1,688	284,881	2,003	85,085	1,825	66,981	1,605	68,217	1,688	64,598
2221E 28	All other fabrics, 85 percent or more spun yarn.....	1,137	79,750	1,075	13,329	1,413	19,798	1,493	27,469	1,137	19,154
2221G 39	Spun/filament combinations.....	366	56,676	390	13,645	408	12,346	367	15,778	366	14,907
	Sateens.....	1,010	112,806	1,172	30,614	1,031	29,010	1,053	26,387	1,010	26,795
2211D 05	More than 50 percent cotton.....	379	52,657	459	14,032	338	12,014	389	12,812	379	13,799
2221F 05	Chiefly spun polyester mixed with cotton.....	197	12,521	203	3,271	141	3,016	137	2,650	197	3,584
2221F 07	All other fabrics, 85 percent or more spun yarn.....	95	10,295	133	2,443	143	3,416	133	2,779	95	1,557
2221G 63	Spun/filament combinations.....	339	37,333	377	10,868	409	10,564	394	8,146	339	7,755
	Oxfords.....	1,002	175,180	967	45,858	933	42,046	951	43,265	1,002	44,011
2211D 12	More than 50 percent cotton.....	691	130,809	664	35,712	622	31,292	602	32,338	691	31,467
2221F 12	Chiefly spun polyester mixed with cotton.....	157	23,918	160	6,889	148	6,069	160	5,762	157	5,198
2221F 16	All other fabrics, 85 percent or more spun yarn.....	16	5,651	5	149	6	300	47	2,029	16	3,173
2221G 68	Spun/filament combinations.....	138	14,802	138	3,108	157	4,385	142	3,136	138	4,173
2211D 31	Birdseye diaper cloth.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211D 35	Huck and crash toweling.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Table damask.....	291	45,873	394	11,702	329	11,645	323	11,598	291	10,928
2211D 45	More than 50 percent cotton.....	(D)	(D)	(D)	(D)	66	915	76	923	59	802
2221F 33	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221F 36	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 82	Spun/filament combinations.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Jacquard and dobby shirting fabrics... More than 50 percent cotton.....	379	35,233	415	8,987	347	6,935	441	9,856	379	9,455
2211D 52	More than 50 percent cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221F 42	Chiefly spun polyester mixed with cotton.....	98	5,076	114	1,436	111	1,103	129	1,281	98	1,256
2221F 44	All other fabric, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 84	Spun/filament combinations.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	All other weaves.....	7,006	626,306	7,447	161,625	7,325	155,959	7,338	154,893	7,006	153,829
2211D 62	More than 50 percent cotton.....	2,225	168,964	2,469	48,033	1,935	38,718	1,984	40,472	2,225	41,741
	Weighing 5.9 ounces or less per square yard.....	1,048	75,460	1,270	21,063	842	17,686	937	19,133	1,048	17,528
2211D 64	Weighing more than 5.9 ounces per square yard.....	1,177	93,504	1,199	26,970	1,093	21,032	1,047	21,289	1,177	24,213
2221F 52	85 percent or more spun polyester... Chiefly spun polyester mixed with cotton.....	372	26,238	420	5,937	431	7,667	275	5,197	372	7,437
	Weighing 5.0 ounces or less per square yard.....	749	39,684	909	12,399	986	11,366	890	8,607	749	7,312
2221F 54	Weighing more than 5.0 ounces per square yard.....	276	16,939	335	4,736	373	5,842	276	3,503	276	4,858
2221F 56	Weighing more than 5.0 ounces per square yard.....	473	22,745	574	7,663	613	5,524	614	5,104	473	4,454
2221F 58	All other fabrics, 85 percent or more spun yarn.....	780	66,283	718	14,617	879	16,182	971	19,514	780	15,970
2221G 87	Spun/filament combinations.....	2,880	325,137	2,931	80,639	3,094	82,026	3,218	81,103	2,880	81,364

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. <sup>c</sup>Revised by 5 percent of more from previously published figures.



Table 5. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE FILAMENT YARN FABRICS: 1990

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
	85 percent or more filament yarn fabrics.....	24,979	5,449,569	27,022	1,340,428	26,190	1,341,197	25,827	1,309,691	24,979	1,458,253
	High tenacity yarn fabrics.....	891	86,498	1,034	21,090	966	21,450	896	20,814	891	23,144
2221B 02	100 percent and chiefly rayon.....	471	19,298	466	5,063	469	4,752	473	4,730	471	4,753
2221C 02	100 percent and chiefly nylon.....	197	31,591	313	9,180	241	8,473	193	6,506	197	7,432
2221C 04	100 percent and chiefly polyester...	223	35,609	255	6,847	256	8,225	230	9,578	223	10,959
	85 percent or more acetate or triacetate filament yarn fabrics....	1 <sup>5</sup> ,377	1 <sup>5</sup> 06,131	1 <sup>5</sup> 5,526	1 <sup>1</sup> 14,161	1 <sup>5</sup> 5,602	1 <sup>1</sup> 22,826	1 <sup>5</sup> 5,719	1 <sup>1</sup> 37,198	1 <sup>5</sup> 5,377	1 <sup>1</sup> 31,946
	Weighing not more than 5 ounces per square yard.....	1 <sup>4</sup> ,547	1 <sup>4</sup> 45,257	1 <sup>4</sup> 4,648	1 <sup>1</sup> 00,963	1 <sup>4</sup> 4,513	1 <sup>1</sup> 07,280	1 <sup>4</sup> 4,928	1 <sup>1</sup> 21,833	1 <sup>4</sup> 4,547	1 <sup>1</sup> 15,181
2221B 21	Plain weave.....	2,772	279,530	2,888	162,989	2,654	164,266	3,069	177,401	2,772	174,874
2221B 23	Other weaves.....	1,775	165,727	1,760	37,974	1,859	43,014	1,859	44,432	1,775	40,307
	Weighing more than 5 ounces per square yard.....	1 <sup>8</sup> 30	1 <sup>6</sup> 0,874	1 <sup>8</sup> 78	1 <sup>1</sup> 3,198	1 <sup>1</sup> 089	1 <sup>1</sup> 5,546	1 <sup>7</sup> 91	1 <sup>1</sup> 5,365	1 <sup>8</sup> 30	1 <sup>1</sup> 6,765
2221B 25	Plain weave.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221B 27	Other weaves.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	85 percent or more rayon filament yarn fabrics.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
2221B 41	Weighing not more than 5 ounces per square yard.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
2221B 43	Weighing more than 5 ounces per square yard.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
	Other chiefly rayon and/or acetate filament yarn fabrics.....	2,742	175,036	2,560	42,237	2,643	42,759	2,797	46,665	2,742	43,375
2221B 51	Weighing not more than 5 ounces per square yard.....	773	31,156	381	5,334	468	6,145	755	9,717	773	9,960
2221B 53	Weighing more than 5 ounces per square yard.....	1,969	143,880	2,179	36,903	2,175	36,614	2,042	36,948	1,969	33,415
	85 percent or more nylon filament yarn fabrics.....	3,202	453,402	4,625	134,456	3,700	115,957	3,378	106,252	3,202	96,737
2221C 11	Typewriter and other impression fabrics.....	726	93,397	713	24,296	755	24,604	739	23,444	726	21,053
	Other 85 percent or more nylon filament yarn fabrics.....	2,476	360,005	3,912	110,160	2,945	91,353	2,639	82,808	2,476	75,684
	Weighing not more than 5 ounces per square yard.....	2,305	316,587	3,063	96,572	2,434	78,699	2,466	74,103	2,305	67,213
2221C 13	Flat, non-textured.....	2,089	280,211	2,609	82,503	2,210	69,597	2,247	67,403	2,089	60,708
2221C 15	All other.....	216	36,376	454	14,069	224	9,102	219	6,700	216	6,505
	Weighing more than 5 ounces per square yard.....	171	43,418	849	13,588	511	12,654	173	8,705	171	8,471
2221C 23	Flat, non-textured.....	56	17,391	728	6,192	408	6,534	66	2,560	56	2,105
2221C 25	All other.....	115	26,027	121	7,396	103	6,120	107	6,145	115	6,366
	Other chiefly nylon filament fabrics..	317	14,066	408	4,446	336	2,932	346	3,572	317	3,116
2221C 31	Weighing not more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221C 33	Weighing more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	85 percent or more polyester filament yarn fabrics.....	5,526	570,815	5,764	142,440	5,825	143,622	5,753	143,513	5,526	141,240
2221C 44	Textured.....	3,817	380,835	3,772	90,638	3,772	93,549	3,767	96,270	3,817	100,378
	Weighing not more than 5 ounces per square yard <sup>2</sup> .....	2,026	183,453	1,995	42,635	2,032	45,927	1,963	44,826	2,026	50,065
2221C 43	Flat.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221C 45	Other.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221C 50	Weighing more than 5 ounces per square yard <sup>2</sup> .....	1,791	197,382	1,777	48,003	1,740	47,622	1,804	51,444	1,791	50,313
2221C 62	Non-textured.....	1,709	189,980	1,992	51,802	2,053	50,073	1,986	47,243	1,709	40,862
	Weighing not more than 5 ounces per square yard <sup>2</sup> .....	917	103,889	1,255	29,379	1,122	26,179	1,130	26,017	917	22,314
2221C 66	Weighing more than 5 ounces per square yard <sup>2</sup> .....	792	86,091	737	22,423	931	23,894	856	21,226	792	18,548
2221C 73	Other chiefly polyester filament fabrics.....	157	11,564	193	2,678	196	3,220	199	3,208	157	2,458
2221C 82	Glass fiber fabrics.....	2,794	411,767	2,831	110,897	2,875	108,887	2,751	94,231	2,794	97,752
2221C 89	Woven roving and screening.....	69	14,956	68	4,271	68	4,132	67	2,771	69	3,782
	All other glass fiber fabrics.....	2,725	396,811	2,763	106,626	2,807	104,755	2,684	91,460	2,725	93,970
	All other 85 percent or more filament yarn fabrics, including saran and olefin and fabrics obtained from strip, except rayon and/or acetate...	3,973	3,220,290	4,081	768,023	4,047	779,544	3,988	754,238	3,973	918,485
2221C 91	Carpet backing.....	2,810	2,937,491	2,852	698,289	2,837	706,957	2,808	685,721	2,810	846,524
2221C 93	All other.....	1,163	282,799	1,229	69,734	1,210	72,587	1,180	68,517	1,163	71,961

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.

<sup>1</sup>Included with 85 percent or more acetate or triacetate filament yarn fabric to avoid disclosing figures for individual companies.

<sup>2</sup>Classified on a finished weight basis.



Table 6. PRODUCTION AND LOOM ASSIGNMENT OF UPHOLSTERY FABRICS: 1990

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
	Upholstery fabrics.....	4,061	378,953	4,324	101,062	4,342	98,842	4,352	91,262	4,061	87,787
	85 percent or more spun yarn and spin filament combinations.....	3,281	308,616	<sup>r</sup> 3,462	81,966	<sup>r</sup> 3,516	81,062	3,526	75,041	3,281	70,547
2211E 41	Pile woven.....	781	76,093	<sup>r</sup> 856	<sup>a</sup> 21,602	<sup>r</sup> 863	20,056	841	18,627	<sup>a</sup> 781	15,808
2221H 41	All cotton and chiefly cotton.....	116	5,661	<sup>r</sup> 144	<sup>a</sup> 1,546	<sup>a</sup> 143	<sup>a</sup> 1,609	153	1,534	<sup>a</sup> 116	<sup>a</sup> 972
	All manmade and chiefly manmade.....	665	70,432	<sup>r</sup> 712	20,056	<sup>a</sup> 720	18,447	688	17,093	<sup>a</sup> 665	14,836
2211X 01	Flat woven.....	2,500	232,523	<sup>r</sup> 2,606	60,364	<sup>r</sup> 2,653	61,006	2,685	56,414	2,500	54,739
	All cotton and chiefly cotton.....	834	76,544	<sup>r</sup> 864	19,677	<sup>r</sup> 867	19,188	851	18,901	834	18,778
2221X 01	All manmade and chiefly manmade.....	1,666	155,979	<sup>r</sup> 1,742	40,687	<sup>r</sup> 1,786	41,818	1,834	37,513	1,666	35,961
2221X 03	Olefin.....	336	33,570	<sup>r</sup> 355	9,142	<sup>r</sup> 331	8,724	<sup>a</sup> 335	7,366	<sup>a</sup> 336	8,338
	All other flat woven manmade fiber fabrics.....	1,330	122,409	1,387	31,545	<sup>a</sup> 1,455	<sup>a</sup> 33,094	1,499	<sup>a</sup> 30,147	<sup>a</sup> 1,330	<sup>b</sup> 27,623
2221C 77	85 percent or more filament yarn.....	780	70,337	<sup>r</sup> 862	<sup>r</sup> 19,096	<sup>r</sup> 826	17,780	826	16,221	780	<sup>r</sup> 17,240
2221C 78	All polyester and chiefly polyester.....	381	29,011	<sup>r</sup> 383	<sup>r</sup> 7,929	<sup>r</sup> 376	7,776	375	6,752	381	6,554
2221C 98	All nylon and chiefly nylon.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221C 99	All olefin and chiefly olefin.....	259	32,438	<sup>a</sup> 353	<sup>a</sup> 8,688	326	8,127	310	<sup>a</sup> 7,335	<sup>b</sup> 259	<sup>r</sup> 8,288
	All other filament fiber fabrics.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

Note: These data are included in the data shown in tables 4, 5 and 8.

See footnotes at end of table 7.

Table 7. PRODUCTION AND LOOM ASSIGNMENT OF WOOLEN AND WORSTED FABRICS, INCLUDING CHIEFLY MANMADE/WOOL BLENDS AND CHIEFLY COTTON/WOOL BLENDS: 1990

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
	Woolen and worsted fabrics, 36 percent or more wool (except felts).....	1,880	140,702	1,868	38,035	1,971	38,680	1,857	32,619	1,880	31,368
22312 01	Apparel fabrics, including government orders.....	1,710	130,155	1,720	35,625	1,803	36,009	1,689	29,842	1,710	28,679
	Worsted fabrics.....	986	81,809	1,016	23,544	1,074	21,851	972	18,009	986	18,405
22312 02	Weighting not more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Weighting more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
22312 21	Woolen fabrics.....	724	48,346	704	12,081	729	14,158	717	11,833	724	10,274
22312 23	Weighting not more than 9 ounces per square yard.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Weighting more than 9 ounces per square yard.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
22312 62	Nonapparel fabrics, including government orders (except felts).....	170	10,547	148	2,410	168	2,671	168	2,777	170	2,689
22312 85	Blanketing, including thermal.....	27	2,445	<sup>a</sup> 27	598	<sup>a</sup> 25	607	26	571	27	609
	All other fabrics.....	143	8,102	<sup>a</sup> 121	1,812	<sup>a</sup> 143	<sup>a</sup> 2,064	142	2,206	<sup>a</sup> 143	2,020
22312 92	Woven felts (thousands of pounds).....	159	6,050	162	1,620	<sup>a</sup> 161	1,521	157	1,466	159	1,443
2221H 22	Chiefly manmade/wool blend and chiefly cotton/wool blend fabrics.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221H 32	Chiefly spun polyester mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221H 92	All other chiefly spun fibers mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221H 94	Chiefly filament polyester mixed mainly or solely with wool or spun polyester/wool blends.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	All other chiefly filament yarn mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.(D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.<sup>1</sup>Includes fabrics 36 percent or more wool or reprocessed wool by weight. 1986 and prior years include fabrics 50 percent or more wool or reprocessed wool by weight.



Table 8. PRODUCTION AND LOOM ASSIGNMENT OF PILE FABRICS (INCLUDES YARN DYED FABRICS): 1990

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
	Pile fabrics.....	6,069	538,130	7,214	156,247	6,457	138,145	6,245	129,894	6,069	113,844
	Corduroy.....	1,094	79,454	1,381	30,104	1,206	23,701	940	14,022	1,094	11,627
	More than 50 percent cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
221IE 01	Finewales and pinwales.....	516	40,444	742	16,481	623	11,325	547	7,480	516	5,158
221IE 03	Midwales.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
221IE 05	Thicksets.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
221IE 07	Widewales and other.....	446	20,848	350	6,019	382	6,847	272	3,346	446	4,636
222IH 01	Chiefly manmade fiber.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Velvets, plushes, and other pile fabrics.....	792	54,917	873	16,313	849	14,772	807	13,377	792	10,455
221IE 21	More than 50 percent cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
222IH 11	Chiefly manmade fiber.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Terry cloth and terry toweling.....	4,183	403,759	4,960	109,830	4,402	99,672	4,498	102,495	4,183	91,762
221IE 32	Terry toweling.....	3,949	382,603	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
221IE 34	Terry cloth.....	234	21,156	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

(D) Data withheld to avoid disclosing figures for individual companies.

Table 9. PRODUCTION OF TIRE CORD AND TIRE CORD FABRICS: 1990

(Thousands of pounds)

Product code	Product description	Production				
		Total	First quarter	Second quarter	Third quarter	Fourth quarter
22960 00	Tire cord and tire cord fabrics.....	718,144	184,682	183,280	172,481	177,701
22960 12	Cotton tire cord and tire cord fabrics.....	(D)	(D)	(D)	(D)	(D)
22960 32	Rayon tire cord and tire cord fabrics.....	(D)	(D)	(D)	(D)	(D)
22960 35	Nylon tire cord and tire cord fabrics.....	162,622	42,801	41,789	38,602	39,430
22960 37	Polyester tire cord and tire cord fabrics.....	182,926	48,059	46,758	44,447	43,662
22960 38	Glass tire cord and tire cord fabrics.....	1,123	310	272	262	279
22960 45	Steel tire cord.....	355,457	89,234	90,128	85,481	90,614
22960 51	All other tire cord and tire cord fabrics including chafer.....	12,885	3,492	3,395	3,023	2,975

(D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.

Table 10. LOOMS IN PLACE AND LOOM HOURS OPERATED IN BROADWOVEN FABRIC MILLS: 1990

(Looms in place in number; loom hours in thousands)

Type of loom	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
	Looms in place Dec. 31, 1990	Loom hours operated	Looms in place	Loom hours operated	Looms in place	Loom hours operated	Looms in place	Loom hours operated	Looms in place	Loom hours operated
Total.....	106,760	716,636	117,172	192,652	111,110	184,044	108,604	173,181	106,760	166,759
Shuttle type looms.....	40,677	277,343	51,618	80,117	45,460	72,729	42,682	64,179	40,677	60,318
Single shuttle cam looms.....	27,154	194,204	35,399	56,952	30,649	51,113	28,783	43,926	27,154	42,213
Single shuttle dobby looms.....	8,391	54,497	9,856	14,470	9,109	14,252	8,549	13,509	8,391	12,266
Multiple shuttle box or head motion looms.....	2,740	16,386	3,806	5,379	3,202	4,024	2,936	3,690	2,740	3,293
Double shuttle pile and plush, and jacquard looms.....	2,392	12,256	2,557	3,316	2,500	3,340	2,414	3,054	2,392	2,546
Shuttleless looms and weaving machines.	66,083	439,293	65,554	112,535	65,650	111,315	65,922	109,002	66,083	106,441
Single filling insertion capability..	38,735	274,996	38,859	69,626	39,111	70,036	39,018	68,214	38,735	67,120
Air jet looms.....	15,433	110,637	14,834	27,297	15,169	27,946	15,438	27,931	15,433	27,463
Water jet looms.....	5,968	36,378	6,071	8,761	6,078	9,319	6,139	9,348	5,968	8,950
Projectile looms.....	12,023	89,385	12,297	23,461	12,340	22,752	11,974	21,400	12,023	21,772
Rapier looms.....	5,311	38,596	5,657	10,107	5,524	10,019	5,467	9,535	5,311	8,935
Multiple filling insertion capability.....	26,655	161,217	26,029	42,120	25,860	40,440	26,214	40,007	26,655	38,650
Air jet looms.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Water jet looms.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Projectile looms.....	11,514	73,983	11,231	19,426	11,530	18,990	11,521	18,442	11,514	17,125
Rapier looms.....	11,932	69,608	12,292	18,447	11,749	17,305	11,933	17,240	11,932	16,616
Pile and plush looms.....	693	3,080	666	789	a679	a839	a690	a781	a693	a671

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies.



Table 11. PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF BROADWOVEN FABRICS: 1990

(Quantity in thousands of square yards; value in thousands of dollars)

Product description	Manufacturers' shipments <sup>1</sup> (quantity)	Imports for consumption <sup>2</sup>		Percent imports to manufacturers' shipments (quantity)	Exports of domestic merchandise <sup>4</sup>		Percent exports to manufacturers' shipments (quantity)	Apparent consumption <sup>5</sup>
		Quantity	Value <sup>3</sup>		Quantity	Value		
Cotton fabrics <sup>6</sup> .....	4,463,478	1,347,734	1,250,428	30.2	(NA)	(NA)	(NA)	(NA)
Cheesecloth and batistes.....	(D)	45,245	26,319	(D)	46,019	67,750	(D)	(D)
Print cloth.....	350,350	326,555	184,368	93.2	4,684	8,816	1.3	672,221
Poplin and broadcloth.....	115,999	201,882	156,837	174.0	20,754	38,881	17.9	297,127
Weighing 5.9 ounces or less per square yard.....	73,667	201,373	153,178	273.4	9,879	21,944	13.4	265,161
Weighing more than 5.9 ounces per square yard.....	42,332	509	3,659	1.2	10,875	16,937	25.7	31,966
Duck, including tape warp.....	(D)	73,962	74,833	(D)	12,998	29,597	(D)	(D)
Sheeting.....	625,966	347,406	255,515	55.5	14,353	29,939	2.3	959,019
Twills and sateens.....	457,562	176,457	209,555	38.6	11,138	23,285	2.4	622,881
Oxfords.....	40,364	4,960	10,884	12.3	(NA)	(NA)	(NA)	(NA)
All other constructions.....	239,764	57,851	68,212	24.1	39,474	91,961	16.5	258,141
Blue Denim.....	653,611	39,073	66,984	6.0	62,526	142,619	9.6	630,158
Yarn dyed fabric.....	320,221	66,153	166,213	20.7	17,134	30,622	5.4	369,240
Pile fabrics, including yarn dyed.....	487,695	8,190	30,708	1.7	10,414	27,796	2.1	485,471
Manmade fiber fabrics.....	10,662,497	574,790	1,259,051	5.4	266,451	552,283	2.5	10,970,836
85% or more filament yarn fabrics.....	5,449,569	271,514	477,852	5.0	134,366	265,108	2.5	5,586,717
Nylon and polyester high tenacity fabric.....	67,200	10,208	21,534	15.2	30,592	62,529	45.5	46,816
Rayon high tenacity fabric.....	19,298	432	1,820	2.2	2,652	5,690	13.7	17,078
Typewriter fabric.....	93,397	121	289	(Z)	(NA)	(NA)	(NA)	(NA)
Rayon or acetate filament yarn fabrics.....	681,167	13,154	30,737	1.9	10,808	24,390	1.6	683,513
Polyester filament yarn fabric.....	582,379	183,843	335,763	31.6	50,886	78,192	8.7	715,336
Glass fiber fabric.....	411,767	29,308	38,118	7.1	(NA)	(NA)	(NA)	(NA)
Nylon filament yarn fabric.....	374,071	31,669	43,241	8.5	15,893	45,312	4.2	389,847
All other filament yarn fabric.....	3,220,290	2,779	6,350	(Z)	23,535	48,995	0.7	3,199,534
85% or more spun yarn fabric.....	3,985,427	183,381	261,640	4.6	88,504	174,899	2.2	4,080,304
Cheesecloth and batistes.....	(D)	7,720	7,213	(D)				
Poplin broadcloth.....	663,978	48,759	41,590	7.3				
Polyester/cotton.....	550,558	39,369	30,680	7.2				
Weighing 5.0 ounces or less per square yard.....	513,579	37,695	27,496	7.3				
Weighing more than 5.0 ounces per square yard.....	36,979	1,674	3,184	4.5				
All other spun yarns.....	113,420	9,390	10,910	8.3				
Print cloth.....	721,452	40,344	20,309	5.6				
Polyester/cotton.....	547,948	28,409	12,292	5.2				
All other spun yarns.....	173,504	11,935	8,017	6.9				
Duck.....	(D)	556	2,193	(D)				
Sheeting.....	1,620,385	13,889	17,229	0.9	75,983	137,763	(NA)	(NA)
Polyester/cotton.....	(D)	9,365	6,673	(D)				
Weighing 5.0 ounces or less per square yard.....	(D)							
Weighing more than 5.0 ounces per square yard.....	(D)	9,365	6,673	(D)				
All other spun yarn.....	(D)	4,524	10,556	(D)				
Sateens or twills.....	438,599	33,079	43,799	7.5				
Oxford.....	29,484	40	95	(Z)				
All other spun manmade fiber fabrics.....	106,605	6,561	23,740	6.2				
Yarn dyed fabric.....	141,982	27,196	73,187	19.2				
Pile fabrics.....	50,435	5,237	32,285	10.4	12,521	37,136	24.8	43,151
Spun/filament yarn combinations, including yarn dyed.....	(D)	73,022	155,267	(D)	42,182	101,495	(D)	(D)
Chiefly manmade/wool blends.....	(D)	24,366	84,020	(D)	(NA)	(NA)	(NA)	(NA)
Silk fabrics.....	761	22,507	280,272	2,957.5	1,399	10,781	249.8	21,869
Wool fabrics.....	140,702	19,816	229,491	14.1	2,845	17,104	2.0	157,673
Chiefly cotton fabrics blended with wool and other vegetable fibers and other vegetable fiber fabrics.....	(D)	188	2,233	(D)	3,761	11,045	(D)	(D)

Note: Fabric blends as shown in Current Industrial Reports Series MQ22T are reported based on the chief weight of the fiber whereas fabric blends as shown for imports and exports are based on the chief value of the fiber.

(D) Data withheld to avoid disclosing figures for individual companies. (NA) Not available. (Z) Less than one-half of one percent.

<sup>1</sup>Represents production of gray broadwoven fabrics; import and export data represent gray as well as finished broadwoven fabrics. For a comparison of Standard Industrial Classification (SIC) based product codes with Schedule B export numbers and HTSUSA import numbers, see table 12.

<sup>2</sup>Source: Bureau of the Census Report IM 145, U.S. Imports for Consumption.

<sup>3</sup>This dollar value represents the c.i.f. (cost, insurance, and freight) at the first port of entry in the United States plus calculated import duty.

<sup>4</sup>Source: Bureau of the Census Report EM 522, U.S. Exports.

<sup>5</sup>Apparent consumption represents new domestic supply and is derived by subtracting exports from the total manufacturers' shipments plus imports.

<sup>6</sup>Includes all cotton and chiefly cotton mixed with manmade fiber.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH  
SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1990

Product code	Product description	Import number <sup>1</sup>		Export number <sup>2</sup>	
2211B 02 2211B 42	Cotton cheesecloth and batistes.....	5208.11.2090, 5208.11.4090 5208.11.6000, 5208.11.8090 5208.12.4090, 5208.12.6090 5208.12.8090, 5208.21.2090 5208.21.4090, 5208.21.6090 5208.22.4090, 5208.22.6090 5208.22.8090, 5208.31.4090 5208.31.6090, 5208.31.8090 5208.32.3090, 5208.32.4090 5208.32.5090, 5208.51.4090 5208.51.6090, 5208.51.8090 5208.52.3090, 5208.52.4090 5208.52.5090, 5210.11.4090 5210.11.6090, 5210.11.8090 5210.21.4090, 5210.21.6090 5210.21.8090, 5210.31.4090 5210.31.6090, 5210.31.8090 5210.51.4090, 5210.51.6090 5210.51.8090, 5211.51.0090	5208.11.2090, 5208.11.4090 5208.11.9000, 5208.12.4090 5208.12.6090, 5208.12.8090 5208.21.2090, 5208.21.4090 5208.21.6090, 5208.22.4090 5208.22.6090, 5208.22.8090 5208.31.4090, 5208.31.6090 5208.31.8090, 5208.32.3090 5208.32.4090, 5208.32.5090 5208.51.4090, 5208.51.6090 5208.51.8090, 5208.52.3090 5208.52.4090, 5208.52.5090 5210.11.4090, 5210.11.6090 5210.11.8090, 5210.21.4090 5210.21.6090, 5210.21.8090 5210.31.4090, 5210.31.6090 5210.31.8090, 5210.51.4090 5210.51.6090, 5210.51.8090 5211.11.0090, 5211.21.0090 5211.31.0090, 5211.41.0090 5211.51.0090		
2211B 12	Cotton print cloth.....	5208.11.4060, 5208.12.6060 5208.21.4060, 5208.22.6060 5208.31.6060, 5208.32.4060 5208.51.6060, 5208.52.4060 5210.11.6060, 5210.21.6060 5210.31.6060, 5210.51.6060	5208.11.4060, 5208.12.6060 5208.21.4060, 5208.22.6060 5208.31.6060, 5208.32.4060 5208.51.6060, 5208.52.4060 5210.11.6060, 5210.21.6060 5210.31.6060, 5210.51.6060		
2211B 22	Cotton poplin and broadcloth (5.9 ounces or less per square yard).....	5208.11.2020, 5208.11.4020 5208.11.8020, 5208.12.4020 5208.12.6020, 5208.12.8020 5208.21.2020, 5208.21.4020 5208.21.6020, 5208.22.4020 5208.22.6020, 5208.22.8020 5208.31.4020, 5208.31.6020 5208.31.8020, 5208.32.3020 5208.32.4020, 5208.32.5020 5208.51.4020, 5208.51.6020 5208.51.8020, 5208.52.3020 5208.52.4020, 5208.52.5020 5210.11.4020, 5210.11.6020 5210.11.8020, 5210.21.4020 5210.21.6020, 5208.21.8020 5210.31.4020, 5210.31.6020 5210.31.8020, 5210.51.4020 5210.51.6020, 5210.51.8020	5208.11.2020, 5208.11.4020 5208.11.8020, 5208.12.4020 5208.12.6020, 5208.12.8020 5208.21.2020, 5208.21.4020 5208.21.6020, 5208.22.4020 5208.22.6020, 5208.22.8020 5208.31.4020, 5208.31.6020 5208.31.8020, 5208.32.3020 5208.32.4020, 5208.32.5020 5208.51.4020, 5208.51.6020 5208.51.8020, 5208.52.3020 5208.52.4020, 5208.52.5020 5210.11.4020, 5210.11.6020 5210.11.8020, 5210.21.4020 5210.21.6020, 5208.21.8020 5210.31.4020, 5210.31.6020 5210.31.8020, 5210.51.4020 5210.51.6020, 5210.51.8020		
2211B 32 2211B 36	Cotton poplin and broadcloth (more than 5.9 ounces per square yard).....	5209.11.0020, 5209.21.0020 5209.31.6020, 5209.51.6020 5211.11.0020, 5211.21.0020 5211.31.0020, 5211.51.0020	5209.11.0020, 5209.21.0020 5209.31.6020, 5209.51.6020 5211.11.0020, 5211.21.0020 5211.31.0020, 5211.51.0020		
2211B 71	Cotton duck.....	5209.11.0090, 5209.19.0060 5209.21.0090, 5209.29.0060 5209.31.6090, 5209.39.0060 5209.51.6090, 5209.59.0060 5211.11.0090, 5211.19.0060 5211.21.0090, 5211.29.0060 5211.31.0090, 5211.39.0060 5211.51.0090, 5211.59.0060	5209.11.0090, 5209.21.0090 5209.31.6090, 5209.51.6090 5211.11.0090, 5211.21.0090 5211.31.0090, 5211.51.0090		
2211B 51 2211B 62 2211B 64 2211B 66	Cotton sheeting.....	5208.11.2040, 5208.11.4040 5208.12.4040, 5208.12.6040 5208.21.2040, 5208.21.4040 5208.22.4040, 5208.22.6040 5208.31.4040, 5208.31.6040 5208.32.3040, 5208.32.4040 5208.51.4040, 5208.51.6040 5208.52.3040, 5208.52.4040 5209.11.0030, 5209.11.0050 5209.21.0030, 5209.21.0050 5209.31.6030, 5209.31.6050 5209.51.6030, 5209.51.6050 5210.11.4040, 5210.11.6040 5210.21.4040, 5210.21.6040 5210.31.4040, 5210.31.6040 5210.51.4040, 5210.51.6040 5211.11.0030, 5211.11.0050 5211.21.0030, 5211.21.0050 5211.31.0030, 5211.31.0050 5211.51.0030, 5211.51.0050	5208.11.2040, 5208.11.4040 5208.12.4040, 5208.12.6040 5208.21.2040, 5208.21.4040 5208.22.4040, 5208.22.6040 5208.31.4040, 5208.31.6040 5208.32.4040, 5208.32.6040 5208.51.4040, 5208.51.6040 5208.52.3040, 5208.52.4040 5208.51.4040, 5208.51.6040 5208.52.3040, 5208.52.4040 5209.11.0040, 5209.21.0040 5209.31.6040, 5209.51.6040 5210.11.4040, 5210.11.6040 5210.21.4040, 5210.21.6040 5210.31.4040, 5210.31.6040 5210.51.4040, 5210.51.6040 5211.11.0040, 5211.21.0040 5211.31.0040, 5211.51.0040		

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1990--Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>	
2211C 12 2211C 22 2211C 32 2211C 34 2211C 05	Cotton twills and sateens.....	5208.13.0000, 5208.19.2020 5208.19.2090, 5208.23.0000 5208.29.2020, 5208.29.2090 5208.33.0000, 5208.39.2020 5208.39.2090, 5208.53.0000 5208.59.2020, 5208.59.2090 5209.12.0020, 5209.12.0040 5209.19.0020, 5209.19.0040 5209.22.0020, 5209.22.0040 5209.29.0020, 5209.29.0040 5209.32.0020, 5209.32.0040 5209.39.0020, 5209.39.0040 5209.52.0020, 5209.52.0040 5209.59.0020, 5209.59.0040 5210.12.0000, 5210.19.2020 5210.19.2090, 5210.22.0000 5210.29.2020, 5210.29.2090 5210.32.0000, 5210.39.2020 5210.39.2090, 5210.52.0000 5210.59.2020, 5210.59.2090 5211.12.0020, 5211.12.0040 5211.19.0020, 5211.19.0040 5211.22.0020, 5211.22.0040 5211.29.0020, 5211.29.0040 5211.32.0020, 5211.32.0040 5211.39.0020, 5211.39.0040 5211.52.0020, 5211.52.0040 5211.59.0020, 5211.59.0040	5208.13.0000, 5208.19.2000 5208.23.0000, 5208.29.2000 5208.33.0000, 5208.39.2000 5208.53.0000, 5208.59.2000 5209.12.0000, 5209.19.0030 5209.22.0000, 5209.29.0030 5209.32.0000, 5209.39.0030 5209.52.0000, 5209.59.0030 5210.12.0000, 5210.19.2000 5210.22.0000, 5210.29.2000 5210.32.0000, 5210.39.2000 5210.52.0000, 5210.59.2000 5211.12.0000, 5211.19.0030 5211.22.0000, 5211.29.0030 5211.32.0000, 5211.39.0030 5211.52.0000, 5211.59.0030	
2211C 01 2211C 03		Blue denim.....	5209.42.0020, 5211.42.0020 5209.42.0040, 5211.42.0040	5209.42.0020, 5211.42.0020 5209.42.0020, 5211.42.0040
2211E 00			Pile fabrics (including yard dyed).....	5801.21.0000-5801.26.0020 5802.11.0000, 5802.19.0000 5802.20.0000, 5802.30.0020 5802.30.0030, 5802.30.0090
2211X XX		Cotton yarn dyed.....	5208.41.4000-5208.41.8000 5208.42.3000-5208.42.5000 5208.43.0000-5208.49.8090 5209.41.6020, 5209.41.6040 5209.43.0020-5209.49.0090 5210.41.4000-5210.49.8090 5211.41.0020, 5211.41.0040 5211.43.0020-5211.49.0090	5208.41.9000, 5208.42.9000 5208.43.0000, 5208.49.2000 5208.49.9000, 5209.41.6070 5209.43.0000, 5209.49.0000 5210.41.0000-5210.49.9000 5211.41.0000, 5211.43.0000 5211.49.0000
2211D 12		Cotton oxfords.....	5208.19.4020, 5208.19.6020 5208.19.8020, 5208.29.4020 5208.29.6020, 5208.29.8020 5208.39.4020, 5208.39.6020 5208.39.8020, 5208.59.4020 5208.59.6020, 5208.59.8020 5210.19.4020, 5210.19.6020 5210.19.8020, 5210.29.4020 5210.29.6020, 5210.29.8020 5210.39.4020, 5210.39.6020 5210.39.8020, 5210.59.4020 5210.59.6020, 5210.59.8020	5208.19.9000, 5208.29.9000 5208.39.9000, 5208.59.9000 5209.19.0070, 5209.29.0070 5209.39.0070, 5209.59.0070 5210.19.9000, 5210.29.9000 5210.39.9000, 5210.59.9000 5211.19.0070, 5211.29.0070 5211.39.0070, 5211.59.0070
2211D 32 2211D 35 2211D 45 2211D 52 2211D 62 2211D 64		All other constructions.....	5208.19.4090, 5208.19.6090 5208.19.8090, 5208.29.4090 5208.29.6090, 5208.29.8090 5208.39.4090, 5208.39.6090 5208.39.8090, 5208.59.4090 5208.59.6090, 5208.59.8090 5209.19.0090, 5209.29.0090 5209.39.0080, 5209.39.0090 5209.59.0090, 5210.19.4090 5210.19.6090, 5210.19.8090 5210.29.4090, 5210.29.6090 5210.29.8090, 5210.39.4090 5210.39.6090, 5210.39.8090 5210.59.4090, 5210.59.6090 5210.59.8090, 5211.19.0090 5211.29.0090, 5211.39.0090 5211.59.0090	

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH  
SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1990--Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221C 01 2221C 03	Nylon and polyester high tenacity fabrics....	5407.10.0010, 5407.10.0090	5407.10.0000
2221B 01	Rayon high tenacity fabrics.....	5408.10.0000	5408.10.0000
2221C 11	Typewriter fabrics.....	5407.41.0010, 5407.41.0020	
2221C 13 2221C 15 2221C 23 2221C 25 2221C 31 2221C 33	Other nylon filament fabrics.....	5407.41.0030-5407.44.0060	5407.41.0000-5407.44.0000
2221B 21 2221B 23 2221B 25 2221B 27 2221B 41 2221B 43 2221B 51 2221B 53	Rayon and acetate filament yarn fabrics.....	5408.21.0030-5408.24.0060	5408.21.0000-5408.24.0000
2221C 43 2221C 44 2221C 45 2221C 50 2221C 62 2221C 66 2221C 73	Polyester filament yarn fabric.....	5407.51.0020, 5407.51.0040 5407.51.0060, 5407.52.2020 5407.52.2040, 5407.52.2060 5407.53.2020, 5407.53.2040 5407.53.2060, 5407.54.0020 5407.54.0040, 5407.54.0060 5407.60.2005, 5407.60.2010 5407.60.2015, 5407.60.2025 5407.60.2030, 5407.60.2035 5407.60.2045, 5407.60.2050 5407.60.2055, 5407.60.2065 5407.60.2070, 5407.60.2075	5407.51.0000, 5407.52.0000 5407.53.0000, 5407.54.0000
2221C 82 2221C 89	Glass fiber fabrics.....	7019.20.2000, 7019.20.5000	7019.20.4000
2221C 92 2221C 93	All other filament yarn fabrics.....	5407.71.0030-5407.74.0060	5407.71.0000-5407.74.0000
2221D 04 2221D 08 2221D 43 2221D 44	Chiefly manmade fiber cheesecloth, lawns, and batistes.....	5512.11.0040, 5512.19.0035 5512.21.0040, 5512.29.0030 5512.91.0040, 5512.99.0030 5513.11.0090, 5513.19.0040 5513.21.0090, 5513.29.0040 5513.41.0090, 5513.49.0040 5515.11.0030, 5515.19.0030 5515.29.0030, 5515.99.0030 5516.41.0040, 5516.42.0040 5516.44.0040, 5516.91.0040 5516.92.0040, 5516.94.0040	
2221D 24 2221D 26	Poplin and broadcloth poly/cotton (5.0 ounces or less per square yard).....	5513.11.0020, 5513.21.0020 5513.41.0020	
2221D 28 2221D 32	Poplin and broadcloth poly/cotton (over 5.0 ounces per square yard).....	5514.11.0020, 5514.21.0020 5514.41.0020	
211D 34	Poplin and broadcloth, all other spun yarn...	5512.11.0010, 5512.19.0015 5512.21.0010, 5512.29.0015 5512.91.0010, 5512.99.0015 5513.19.0010, 5513.29.0010 5513.49.0010, 5514.19.0010 5514.29.0010, 5514.49.0010 5515.11.0015, 5515.19.0015 5515.29.0015, 5515.99.0015 5516.41.0010, 5516.42.0010 5516.44.0010, 5516.91.0010 5516.92.0010, 5516.94.0010	

See footnote at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH  
SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1990--Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221D 14	Poly/cotton print cloth.....	{ 5513.11.0060, 5513.21.0060 5513.41.0060	
2221D 16	Other spun yarn, chiefly manmade fiber		
2221D 18	print cloth.....	5512.11.0030, 5512.19.0030 5512.21.0030, 5512.29.0025 5512.91.0030, 5512.99.0025 5513.19.0030, 5513.29.0030 5513.49.0030, 5515.11.0025 5515.19.0025, 5515.29.0025 5515.99.0025, 5516.41.0030 5516.42.0030, 5516.44.0030 5516.91.0030, 5516.92.0030 5516.94.0030	
2221D 88	Duck.....	5512.11.0050, 5512.19.0040	
2221D 92		5512.21.0050, 5512.29.0035	
		5512.91.0050, 5512.99.0035	
		5514.11.0090, 5514.13.0040	
		5514.19.0030, 5514.21.0090	
		5514.23.0040, 5514.29.0030	
		5514.41.0090, 5514.43.0040	
		5514.49.0030, 5515.11.0035	
		5515.19.0035, 5515.29.0035	
		5515.99.0035, 5516.41.0050	
		5516.42.0050, 5516.44.0050	
		5516.91.0050, 5516.92.0050	
2221D 51	Poly-cotton sheeting.....	5516.94.0050	
2221D 53		5513.11.0040, 5513.21.0040	
2221D 74		5513.41.0040, 5514.11.0030	
2221D 76		5514.11.0050, 5514.21.0030 5514.21.0050, 5514.41.0030 5514.41.0050	
2221D 55	Other manmade fiber spun yarn sheeting.....		
2221D 64		5512.11.0022, 5512.11.0027	
2221D 66		5512.19.0022, 5512.19.0027	
2221D 82		5512.21.0020, 5512.29.0020	
2221D 84		5512.91.0020, 5512.99.0020	
2221D 86		5513.19.0020, 5513.29.0020	
		5513.49.0020, 5514.19.0020	
		5514.29.0020, 5514.49.0020	
		5515.11.0020, 5515.19.0020	
		5515.29.0020, 5515.99.0020	
		5516.41.0022, 5516.41.0027	
		5516.42.0022, 5516.42.0027	
		5516.44.0022, 5516.44.0027	5512.11.0000-5514.49.0000 5515.11.0000, 5515.19.0000 5515.29.0000, 5515.99.0000 5516.41.0000-5516.94.0000
		5516.91.0020, 5516.92.0020	
		5516.94.0020	
2221E 03	Manmade fiber blue denim.....	5512.19.0010, 5512.29.0010	
2221G 46		5512.99.0010, 5514.32.0010	
		5514.39.0010, 5515.11.0010	
		5515.19.0010, 5515.29.0010	
		5515.99.0010, 5516.43.0010	
		5516.93.0010	
2221E 14	Twills and sateens.....		
2221E 22		5512.11.0060, 5512.19.0045	
2221E 24		5512.21.0060, 5512.29.0040	
2221E 26		5512.91.0060, 5512.99.0040	
2221E 28		5513.12.0000, 5513.13.0020	
2221F 05		5513.19.0050, 5513.22.0000	
2221F 07		5513.23.0020, 5513.29.0050	
		5513.32.0000, 5513.43.0020	
		5513.42.0000, 5513.49.0050	
		5514.12.0020, 5514.12.0040	
		5514.13.0020, 5514.19.0040	
		5514.22.0020, 5514.22.0040	
		5514.23.0020, 5514.29.0040	
		5514.42.0020, 5514.42.0040	
		5514.43.0020, 5514.49.0040	
		5515.11.0040, 5515.19.0040	
		5515.29.0040, 5515.99.0040	
		5516.11.0020, 5516.12.0020	
		5516.14.0020, 5516.41.0060	
		5516.42.0060, 5516.44.0060	
		5516.91.0060, 5516.92.0060	
		5516.94.0060	
2221F 12	Oxfords.....	5512.11.0070, 5512.19.0050	
2221P 16		5512.21.0070, 5512.29.0045	
		5512.91.0070, 5512.99.0045	
		5513.13.0040, 5513.19.0060	
		5513.23.0040, 5513.29.0060	
		5513.43.0040, 5513.49.0060	
		5515.11.0045, 5515.19.0045	
		5515.29.0045, 5515.99.0045	
		5516.41.0070, 5516.42.0070	
		5516.44.0070, 5516.91.0070 5516.92.0070, 5516.94.0070	

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH  
SCHEDULE 8 EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1990--Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221X XX	Manmade fiber yarn dyed.....	5512.19.0005, 5512.29.0005 5512.99.0005, 5513.31.0000-5513.39.0090 5514.31.0000, 5514.32.0090 5514.33.0010, 5514.33.0090 5514.39.0020, 5514.39.0090 5515.11.0005, 5515.19.0005 5515.29.0005, 5515.99.0005 5516.13.0000, 5516.43.0020-5516.43.0090 5516.93.0020, 5516.93.0090	
2221F 33	All other manmade fiber spun yarn.....	5512.11.0090, 5512.19.0090 5512.21.0090, 5512.29.0090 5512.91.0090, 5512.99.0090 5513.13.0090, 5513.19.0090 5513.23.0090, 5513.29.0090 5513.43.0090, 5513.49.0090 5514.13.0090, 5514.19.0090 5514.23.0090, 5514.29.0090 5514.43.0090, 5514.49.0090 5515.11.0090, 5515.19.0090 5515.29.0090, 5515.99.0090 5516.41.0090, 5516.42.0090 5516.44.0090, 5516.91.0090 5516.92.0090, 5516.94.0090	
2221F 36			
2221F 42			
2221F 44			
2221F 52			
2221F 54			
2221F 56			
2221F 58			
2221H 21	Manmade/wool blends, chiefly manmade.....	5407.91.1000, 5407.92.1000 5407.93.1000, 5407.94.1000 5408.31.1000, 5408.32.1000 5408.33.1000, 5408.34.1000 5515.13.1000, 5515.22.1000 5515.92.1000, 5516.31.1000-5516.34.1000	
2221H 22			
2221H 92			
2221H 98			
2221G 04	Spun/filament combinations.....	5407.81.0010-5407.84.0090 5407.91.2020-5407.91.2090 5407.92.2020-5407.92.2090 5407.93.2020-5407.93.2090 5407.94.2020-5407.94.2090 5408.31.2020-5408.31.2090 5408.32.9020-5408.32.9090 5408.33.9020-5408.33.9090 5408.34.9020-5408.34.9090 5515.12.0010-5515.12.0090 5515.21.0010-5515.21.0090 5515.91.0010-5515.91.0090 5516.21.0010-5516.24.0090	5407.81.0000-5407.94.0000 5408.31.0000-5408.34.0000 5515.12.0000, 5515.21.0000 5515.91.0000, 5516.21.0000-5516.24.0000
2221G 07			
2221G 19			
2221G 21			
2221G 77			
2221G 33			
2221G 45			
2221G 48			
2221G 39			
2221G 63			
2221G 68			
2221G 82			
2221G 84			
2221G 87			
2221H 01	Manmade fiber pile.....	5801.31.0000-5801.36.0020 5802.20.0020, 5802.30.0030	5801.31.0000-5801.36.0000 5802.20.0000, 5802.30.0000
2221H 11			
2221H 31	Silk fabrics.....	5007.10.3020-5007.90.6090	5007.10.0000-5007.90.0000
22312 01	Wool fabrics.....	5111.11.6000-5112.90.6090 5212.11.1010, 5212.11.1020 5212.12.1010, 5212.12.1020 5212.13.1010, 5212.13.1020 5212.14.1010, 5212.14.1020 5212.15.1010, 5212.15.1020 5212.21.1010, 5212.21.1020 5212.22.1010, 5212.22.1020 5212.23.1010, 5212.23.1020 5212.24.1010, 5212.24.1020 5212.25.1010, 5212.25.1020 5407.91.0510, 5407.91.0520 5407.92.0510, 5407.92.0520 5407.93.0510, 5407.93.0520 5407.94.0510, 5407.94.0520 5408.31.0510, 5408.31.0520 5408.32.0510, 5408.32.0520 5408.33.0510, 5408.33.0520 5408.34.0510, 5408.34.0520 5515.13.0510, 5515.13.0520 5515.22.0510, 5515.22.0520 5515.92.0510, 5515.92.0520 5516.31.0510, 5516.31.0520 5516.32.0510, 5516.32.0520 5516.33.0510, 5516.33.0520 5516.34.0510, 5516.34.0520 5801.10.0000	5111.11.0000-5112.90.0000 5801.14.0000
22312 02			
22312 21			
22312 23			
22312 62			
22312 85			

<sup>1</sup>Source: Harmonized Tariff Schedule of the United States, Annotated (1990).

<sup>2</sup>Source: 1990 edition, Harmonized System-Based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.



## DESCRIPTION OF SURVEY

**Scope of Survey.** This survey covers all companies manufacturing broadwoven fabrics (gray) in the United States, except very small firms (generally less than 5 employees) for which 1987 Census of Manufactures data were derived from administrative records of other Government agencies.

**Survey Methodology.** The statistics in this publication were collected by mail on Bureau of the Census quarterly Form MQ22T, Broadwoven Fabrics (Gray). The survey panel includes all known manufacturers of broadwoven fabrics (gray), except those very small firms excluded from the scope of the survey. Approximately 375 establishments are included.

Participation in the quarterly survey is voluntary. However, annual reports are required from those establishments that do not report quarterly. The annual summary includes revisions of quarterly data originally estimated (see "Reliability of Data" below) for establishments which only report annually.

**Reliability of Data.** Survey error may result from several sources: (1) inability to obtain information about all cases in the survey, (2) response errors, (3) definitional difficulties, (4) differences in the interpretation of questions, (5) mistakes in recording or coding the data obtained, and (6) other errors of collection, response, coverage, and estimation for missing data. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is due to imputing data for nonrespondents, for late reporters, and for data which failed the edit. Missing figures are imputed based on quarter-to-quarter movements shown by reporting firms. Imputation generally is limited to a maximum of 10 percent for any one data cell. Figures with imputation rates greater than 10 percent are footnoted.

The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse, because the actual quarterly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is not precisely known, but is assumed to be small. The degree of uncertainty regarding the accuracy of the published data, however, increases as the percentage of imputation increases. Figures with imputation rates above 25 percent should be used with caution.

**Revisions to Previous Period Data.** Statistics for previous quarters may be revised as the result of corrected data from respondents, including the receipt of late

reports for which imputations were made as described above. Figures which have been revised by more than 5 percent from previously published figures are indicated by footnotes.

## EXPLANATION OF TERMS

**Woolen and Worsted Fabrics, Chiefly Wool.** Fabrics wholly or chiefly by weight of wool, reprocessed wool, or reused wool. Apparel fabrics include all fabrics that may be labeled as being made entirely of wool, reprocessed wool, and reused wool under the Wool Products Labeling Act. This includes blends of wool of sheep with, and fabrics entirely of mohair, cashmere, camel hair, alpaca, llama, and vicuna.

**Cotton Fabrics.** Fabrics wholly or chiefly by weight of cotton.

**Manmade Fiber Fabrics.** Fabrics wholly or chiefly by weight of manmade fibers.

**Blends and Mixtures.** Fabrics made from more than one fiber are classified in the same way as other fabrics, i.e., according to whether the fabric is chiefly cotton, wool, or manmade fiber. As examples, a fabric which is 55 percent cotton and 45 percent rayon is classified as cotton; a fabric which is 40 percent cotton, 30 percent rayon, and 30 percent acetate is classified as manmade.

Blends and mixture which are by weight 50 percent natural fiber and 50 percent manmade fiber are, for purposes of continuity, classified in the manmade category.

**Production.** Represents total production of broadwoven gray fabrics by all weaving mills regardless of their primary activity.

**Units of Quantity.** Production is reported in thousands of square yards except for tire cord and tire cord fabrics which are reported in thousands of pounds.

**Looms Operating.** Represents number of looms (assigned to the specific fabrics) operating at the end of the quarter.

**Spun Yarn Fabrics.** Includes all fabrics that contain 8 percent or more spun yarns.

**Filament Yarn Fabrics.** Includes all fabrics that contain 8 percent or more filament yarns.

**Spun/Filament Combinations.** Includes fabrics that are combinations of spun and filament yarn where neither the spun or filament yarns exceed 85 percent.



**Plain Weave Fabrics.** A fabric construction in which each yarn of the weft passes alternately over and under successive yarns of the warp and each yarn of the warp passes alternately over and under successive yarns of the weft.

**Tobacco, Cheese, and Bandage Cloth.** Fabrics of plain weave, weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) consisting of 85 or less warp ends and filling picks per square inch whether or not napped.

**Print Cloth.** Fabrics of plain weave, weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) of average yarn numbers 26-40, consisting of more than 85 singles yarns per square inch, of square construction, whether or not of yarns of different colors (yarn dyed), whether or not napped.

**Poplin and Broadcloth.** Fabrics of plain weave, not of square construction, whether or not napped, but does not include the following types—fabrics weighing not more than 5.9 ounces per square yard, containing 85 or less warp ends and filling picks per square inch, or fabrics weighing more than 5.9 ounces per square yard of average yarn number 15 or lower.

**Lawns, Voiles, and Batistes.** Fabrics of plain weave weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) consisting of more than 85 warp ends and filling picks per square inch, of square construction, of average yarn number 41 or higher, whether or not napped.

**Sheeting.** Fabrics of plain weave, whether or not napped, of the following types:

Fabrics weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), of square construction, containing more than 85 warp end and filling picks per square inch, of average yarn number 40 or lower, but not including print cloth.

Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) but does not include fabrics of which the warp or filling, or both, consists of multiple (folded) or cabled yarns, of average yarn number 15 or lower or fabrics of average yarn number 16 or higher number, not of square construction.

**Will Weave Fabrics.** Fabrics in which the warp and filling yarns are interlaced in such a manner as to produce a diagonal or bias effect on the face of the fabric.

**Blue Denim.** Fabrics of 3 or 4- thread twill, including broken twill, warp faced, the warp yarns of which are dyed blue and the weft yarns of which are unbleached, bleached, dyed grey or colored a lighter shade of blue than that of the warp yarns.

**All Other Denim.** Includes sport denims and all other denim not include above.

**Canton Flannel.** Fabric woven with a four-harness warp face twill with heavy, soft filling yarn, and a medium count warp. A long nap is raised on the back.

**Sateens.** Fabrics woven with a satin weave, whether or not napped, in which the surface of the cloth consists almost entirely of warp or filling floats; that is, in the repeat of a weave pattern, each yarn of one system passes over several yarns of the other system before interlacing.

**Oxfords.** Fabrics weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), whether or not napped, woven as plain weave except that two or more warp ends are woven as one (taped warp). Oxford cloth is not to be classified as a plain weave fabric.

**Duck.** Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), of average yarn number 15 or lower number, whether or not napped, of a plain weave where the warp or filling or both, consists of multiple (folded) or cabled yarns.

**Taped Warp Duck.** Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces (chiefly cotton fabric), of average yarn number 15 or lower number, whether or not napped, of a plain weave except that two or more warp ends are woven as one (tape warp) whether or not containing multiple (folded) or cabled yarns.

**Shirting, Jacquard or Dobby.** Fabrics weighing not more than 5 ounces per square (chiefly manmade fiber) or 5.9 ounces per square yard (chiefly cotton fiber) whether or not napped, woven wholly or in part with jacquard or dobby attachment.

**Table Damask.** Fabrics, whether or not napped, woven wholly or in part with jacquard or dobby attachment characterized by elaborate decorative designs, usually of floral patterns. The designs are reversible and are formed by warp-face satin weave. Table damask is generally all white, although it is sometimes made with colored stripes or in solid pastel shades.



*Ginghams, Plaids, and Checks.* Yarn dyed fabrics composed of two or more colors in the warp and two or more colors in the filling.

*Stripes and Other Yarn Dyed Fabrics.* Yarn dyed fabrics composed of any number of colors in the warp but only one color in the filling.

*High Tenacity Yarn Fabric.* Fabric made from yarns having a tenacity, expressed in centinewtons per tex (cN/tex) greater than 60 cN/tex for multiple (folded) or cabled yarns of nylon or polyester; or 27 cN/tex for multiple (folded), cabled, or singles yarns of viscose rayon.

*Flat Fabrics.* Fabrics containing yarns having less than twelve turns per inch.

## COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

The trade comparisons shown in this report should be considered only as approximations. Several problems prevent precise comparisons among imports, exports, and domestic output. These problems include the following:

- Export and import comparisons do not account for the origin of materials used to manufacture the finished product. Domestic output includes any goods that undergo substantial transformation into a finished product in the U.S., even if the goods are partially constructed abroad or are constructed of imported materials.
- There will be a lag between the time a producer makes or ships a product and the time it is actually exported. Similarly, there may be a lag between the time a product is imported and when it enters into U.S. distribution channels.
- The basic structure of these classification systems differ. The Standard Industrial Classification (SIC) system used for domestic output was developed independently of the Harmonized System (HS) used to classify imports and exports. The level of detail provided by the different systems varies substantially, reflecting their different objectives. For example, there are a number of imported commodities that have no comparable domestic output classification.
- Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of domestic output data for such commodities may contain some duplication.
- Import and export data reflect the movement of merchandise into and out of U.S. foreign trade zones, the U.S. Virgin Islands, and the U.S. customs territory of

the 50 States, the District of Columbia, and Puerto Rico. Domestic output reflects activity in the 50 States and, only if specified, in Puerto Rico.

- Import and export data generally do not distinguish between new, used or rebuilt commodities.
- The valuation of the three data sets differ. Domestic output is valued at the point of production. It includes the net sales price, f.o.b. plant, after discounts and allowances, and excludes freight charges and excise taxes. Exports are valued at the point of exportation. It includes the net sales price or value, and inland freight, insurance and other charges to the export point. Imports are valued at the first port of entry in the United States. They include the cost, insurance, freight, duty, and other charges to the import point.
- Detailed commodity information is not included for individual export or import shipments at or below a certain dollar limit. This dollar limit is \$2,500 for exports and \$1,250 for imports, except for import of textiles and textile products, gloves, footwear, and miscellaneous rubber and plastics products, where the limit is \$250.

## HISTORICAL NOTE

Data on broadwoven fabrics (gray) have been collected by the Bureau of the Census since 1943. Historical data may be obtained from Current Industrial Reports (called Facts for Industry before 1959) available at your local Federal Depository Library. A list of these libraries may be obtained from the Bureau of the Census regional offices:

Office	Telephone
Atlanta, Georgia	(404) 347-2271
Boston, Massachusetts	(617) 565-7100
Charlotte, North Carolina	(704) 371-6142
Chicago, Illinois	(312) 353-6251
Dallas, Texas	(214) 767-0621
Denver, Colorado	(303) 969-6750
Detroit, Michigan	(313) 226-7742
Kansas City, Kansas	(913) 236-3728
Los Angeles, California	(213) 209-6616
New York, New York	(212) 264-3860
Philadelphia, Pennsylvania	(215) 597-4920
Seattle, Washington	(206) 728-5300

Historical data are also available on microfiche. For further information, contact the Bureau of the Census Data User Services Division (301) 763-4100.

## RELATED REPORTS

A quarterly Current Industrial Report is published in this series. The Bureau of the Census also publishes the following related reports:



Series	Frequency	Title
<i>Current Industrial Reports</i>		
MQ22D	Quarterly	<i>Consumption on the Woolen System and Worsted Combing</i>
MQ22P	Quarterly	<i>Consumption on the Cotton System and Stocks</i>
MQ23X	Quarterly	<i>Sheets, Pillowcases, and Towels</i>
MA22F.1	Annually	<i>Textured Yarn Production</i>
MA22F.2	Annually	<i>Spun Yarn Production</i>
MA22K	Annually	<i>Knit Fabric Production</i>
MA22Q	Annually	<i>Carpet and Rugs</i>
MA22M	Biennially	<i>Stocks of Wool and Related Fibers</i>
MQ23A	Quarterly	<i>Apparel</i>
MA23D	Annually	<i>Gloves and Mittens</i>
<i>Other Industry Reports</i>		
M3-1	Monthly	<i>Manufacturers' Shipments, Inventories, and Orders</i>
(AS)	Annually	Annual Survey of Manufactures (ASM)
(MC)	Quinquennially	Census of Manufactures
<i>Foreign Trade Reports</i>		
EM 545	Monthly	<i>U.S. Exports—Schedule B—Commodity by Country</i>
FT 446	Annually	
IM 145	Monthly	<i>U.S. Imports for Consumption—HTSUSA—Commodity by Country</i>
FT 246	Annually	

## CONTACTS FOR DATA USERS

Subject Area	Contact	Phone Number
Current Industrial Report MQ22T	Keith Featherstone	(301) 763-2553
Manufacturers' Shipments, Inventories, and Orders	Kathleen Menth	(301) 763-2575
Classification Systems Comparability	Francis McCormick (ESD)	(301) 763-1935
Census/ASM	Ted McGrath	(301) 763-5152
Foreign Trade	Trade Data Inquiries Staff (FTD)	(301) 763-5140
Office of Textiles and Apparel	James Bennett	(202) 377-4058
To order a Current Industrial Report	Superintendent of Documents (GP0)	(202) 783-3238
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## ACKNOWLEDGMENTS

This report was prepared in the Industry Division, Bureau of the Census, under the direction of Robert Reinard, Chief, Textiles and Apparel Section. Keith Featherstone was directly responsible for the review of the data and preparation of the report. Gaylord Worden, Chief of the Division, and Robert N. Tinari, Assistant Chief for Current Industrial Reports, provided overall direction and coordination to this project.







# WHO'S HELPING OUT?



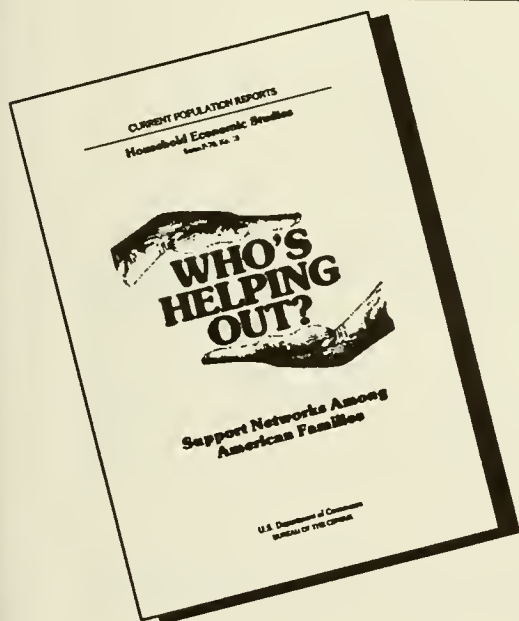
## WHO'S BEING HELPED?

What are the odds of providing financial support for another adult outside the household? For a child? For both?

How does marital disruption affect the likelihood of providing support?

What is the ratio of the retirement-age population to the working-age population? What will the ratio be in 2010? In 2030?

Which group of persons made the highest support payments? How much were the payments?



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## Broadwoven Fabrics (Gray)

158:MQ 22 T(91)-1

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Issued July 1991

The statistics in this publication are based on a survey of manufactures and represent total U.S. production of broadwoven fabrics over 12 inches. Estimates are included for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information appears on page 14.

This report is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100.

Table 1. SUMMARY OF PRODUCTION OF BROADWOVEN GRAY FABRICS, BY TYPE OF FABRIC: 1986 TO 1991

(Millions of square yards)

Year	Chiefly cotton fabrics	Manmade fiber fabrics, including silk and manmade/wool blends	Chiefly wool fabric	Tire cord and tire cord fabrics
1991				
First quarter.....	1,064.1	2,540.5	38.1	175.7
1990				
Fourth quarter.....	1,048.0	2,700.2	31.4	177.8
Third quarter.....	1,087.3	2,585.9	32.6	172.5
Second quarter.....	1,126.6	2,664.2	38.7	183.3
First quarter.....	1,201.5	2,712.2	38.0	184.7
1989				
Fourth quarter.....	1,105.8	2,714.6	37.0	161.4
Third quarter.....	1,134.3	2,670.0	40.1	172.0
Second quarter.....	1,191.8	2,782.2	50.9	179.3
First quarter.....	1,157.2	2,796.0	48.3	175.7
1988				
Fourth quarter.....	1,052.3	2,847.7	43.9	168.9
Third quarter.....	1,072.2	2,735.6	43.0	169.5
Second quarter.....	1,255.0	2,877.6	53.0	157.7
First quarter.....	1,252.1	2,908.8	50.6	153.8
1987				
Fourth quarter.....	1,178.2	2,945.9	40.9	126.8
Third quarter.....	1,219.1	2,787.7	36.0	122.1
Second quarter.....	1,216.9	2,764.0	45.9	121.9
First quarter.....	1,158.0	2,736.7	46.0	124.5
1986				
Fourth quarter.....	1,129.3	2,785.4	30.2	116.0
Third quarter.....	1,095.2	2,561.5	27.8	105.9
Second quarter.....	1,102.6	2,659.8	41.2	108.8
First quarter.....	1,037.0	2,757.5	40.2	112.8

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Keith Featherstone (301) 763-2553.

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Table 2. SUMMARY OF PRODUCTION AND LOOM ASSIGNMENTS OF BROADWOVEN GRAY FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	First quarter 1991		Fourth quarter 1990		Production, year-to-date (M sq. yards)
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)	
	Cotton and chiefly cotton fabrics mixed mainly or solely with manmade fibers.....	31,534	1,064,075	32,689	1,048,036	1,064,075
2221B 00	Plain weaves.....	14,950	513,127	15,911	532,183	513,127
2221C 00	Twill weaves.....	7,293	309,118	7,097	289,441	309,118
2221D 00	All other weaves except pile.....	4,093	125,578	4,326	122,434	125,578
2221E 00	Pile fabrics.....	5,198	116,252	5,355	103,978	116,252
	Chiefly cotton fabrics mixed mainly or solely with other than manmade fibers....	(D)	(D)	(D)	(D)	(D)
	Manmade fiber and silk gray broadwoven fabrics.....	62,227	2,540,456	63,596	2,700,181	2,540,456
2221B 00	85 percent or more filament rayon and/or acetate fabrics.....	8,099	176,745	8,590	180,074	176,745
2221C 00	85 percent or more filament fabrics, except rayon and/or acetate.....	16,258	1,115,378	16,389	1,278,179	1,115,378
	85 percent or more spun yarn fabrics, except wool blends.....	29,761	923,611	30,439	919,151	923,611
2221D 00	Plain weave, except pile.....	23,379	759,138	24,354	767,732	759,138
2221E 00	Twill weave, except pile.....	3,676	108,366	3,317	94,124	108,366
2221F 00	All other weaves, except pile.....	2,706	56,107	2,768	57,295	56,107
2221G 00	Spun/filament yarn combinations.....	(D)	(D)	(D)	(D)	(D)
2221H 10	Pile fabrics.....	705	10,695	714	9,866	10,695
2221H 2X	All other chiefly manmade fiber fabrics, including chiefly manmade fiber blends with wool.....	(D)	(D)	(D)	(D)	(D)
2221H 01	Silk fabrics.....	69	154	81	201	154
	Woolen and worsted fabrics.....	2,062	38,109	1,880	31,368	38,109

(D) Data withheld to avoid disclosing figures for individual companies.

Table 3. SUMMARY OF PRODUCTION OF BROADWOVEN FABRIC BY TEXTILE CATEGORY

(Thousands of square yards)

Product description	Production during quarter		Production year-to-date
	First quarter 1991	Fourth quarter 1990	
Blue denim.....	168,926	155,587	168,926
All other yarn dyed fabric.....	112,672	103,923	112,672
Plain weave.....	24,711	24,835	24,711
Twill weave.....	28,481	22,257	28,481
All other weave.....	59,480	56,831	59,480
Cheesecloth and batistes.....	281,565	300,798	281,565
Duck.....	(D)	(D)	(D)
Oxfurds.....	22,334	17,287	22,334
Pile fabrics.....	126,947	113,844	126,947
Special weave fabric.....	82,701	86,571	82,701
Other fabrics, chiefly cotton fiber:			
Print cloth.....	79,451	82,636	79,451
Poplin and broadcloth.....	22,923	21,216	22,923
Sheeting.....	141,615	143,050	141,615
Twills.....	113,825	113,624	113,825
Sateens.....	12,193	13,799	12,193
Other fabrics, chiefly manmade fiber:			
Manmade/wool blends.....	(D)	(D)	(D)
85 percent or more filament yarn fabrics:			
Typewriter fabric.....	22,108	21,053	22,108
Other nylon.....	96,457	86,232	96,457
Rayon and acetate.....	176,745	180,074	176,745
Polyester.....	160,731	154,657	160,731
Glass fiber.....	87,145	97,752	87,145
All other.....	748,937	918,485	748,937
85 percent or more spun yarn fabrics:			
Print cloth.....	190,654	165,291	190,654
Poplin and broadcloth.....	154,578	168,975	154,578
Sheeting.....	358,943	377,558	358,943
Twills and sateens.....	113,227	99,306	113,227
Spun filament combinations except blue denim:			
Print cloth.....	97,189	88,230	97,189
Poplin and broadcloth.....	46,333	41,130	46,333
Sheeting.....	38,278	45,458	38,278
Twills and sateens.....	19,932	22,662	19,932
Other.....	95,954	100,475	95,954
Wool fabrics.....	38,109	31,368	38,109
Silk fabrics.....	154	201	154

(D) Data withheld to avoid disclosing figures for individual companies.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	First quarter 1991		Fourth quarter 1990	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Tobacco, cheese, and bandage cloth.....	3,930	289,055	4,657	307,793
2211B 02	More than 50 percent cotton.....	3,572	249,286	4,321	266,991
2221D 03	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2211D 04	Chiefly spun rayon and/or acetate.....	(D)	(D)	(NA)	(NA)
2221D 05	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
	Spun-filament combinations.....	(D)	(D)	(D)	(D)
2211B 05	Chiefly cotton.....	(D)	(D)	(NA)	(NA)
2221G 04	Chiefly manmade.....	(D)	(D)	(NA)	(NA)
	Print cloth.....	14,030	367,294	13,542	336,157
2211B 12	More than 50 percent cotton.....	5,750	79,451	5,598	82,636
2221D 13	Chiefly spun polyester mixed with cotton.....	5,257	148,548	4,933	124,763
2221D 15	Chiefly spun polyester mixed with rayon.....	1,131	20,967	1,110	20,317
2221D 16	Chiefly spun rayon and/or acetate.....	(D)	(D)	(NA)	(NA)
2221D 18	All other fabrics, 85 percent or more spun yarn.....	441	14,806	596	20,211
	Spun/filament combinations.....	1,283	97,189	1,305	88,230
2211B 14	Chiefly cotton.....	-	-	(NA)	(NA)
2221G 07	Chiefly manmade.....	1,283	97,189	(NA)	(NA)
	Poplin and broadcloth.....	7,239	245,786	7,677	251,617
	More than 50 percent cotton.....	601	26,191	853	27,548
	Weighing 5.9 ounces or less per square yard.....	390	13,352	617	15,197
2211B 21	Carded.....	124	4,859	332	6,492
2211B 25	Combed.....	266	8,493	285	8,705
2211B 30	Weighing more than 5.9 ounces per square yard.....	211	12,839	236	12,351
	Chiefly spun polyester mixed with cotton.....	4,324	142,292	4,738	151,057
	Weighing 5.0 ounces or less per square yard.....	4,166	134,536	4,616	143,133
2221D 23	Carded.....	3,303	98,409	3,767	105,968
2221D 25	Combed.....	863	36,127	849	37,165
	Weighing more than 5.0 ounces per square yard.....	158	7,756	122	7,924
2221D 27	Carded.....	(D)	(D)	64	3,897
2221D 31	Combed.....	(D)	(D)	58	4,027
2221D 33	Chiefly spun rayon and/or acetate.....	(D)	(D)	(NA)	(NA)
2221D 34	All other fabrics, 85 percent or more spun yarn.....	569	19,889	1,267	31,882
	Spun/filament combinations.....	(D)	(D)	819	41,130
2211B 35	Chiefly cotton.....	(D)	(D)	(NA)	(NA)
2221G 19	Chiefly manmade.....	1,006	46,333	(NA)	(NA)
	Lawns, voiles, and batistes.....	247	4,496	237	5,534
2211B 41	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221D 41	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221D 44	Chiefly spun rayon and/or acetate.....	-	-	(NA)	(NA)
2221D 42	All other fabrics, 85 percent or more spun yarn.....	-	-	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211B 43	Chiefly cotton.....	(D)	(D)	(NA)	(NA)
2221G 28	Chiefly manmade.....	(D)	(D)	(NA)	(NA)
	Duck, including taped warp duck.....	869	19,199	734	16,871
2211B 71	More than 50 percent cotton.....	523	11,002	(D)	(D)
2221D 89	Chiefly spun polyester mixed with cotton.....	153	2,607	171	2,789
2221D 91	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211B 75	Chiefly cotton.....	(D)	(D)	(NA)	(NA)
2221B 77	Chiefly manmade.....	(D)	(D)	(NA)	(NA)
	Bedsheeting.....	12,072	398,357	12,846	428,689
2211B 45	More than 50 percent cotton.....	2,619	70,612	3,006	89,637
	Chiefly spun polyester mixed with cotton.....	8,370	281,468	9,174	299,499
2221D 43	Carded.....	1,904	82,666	1,895	79,914
2221D 45	Combed.....	6,466	198,802	7,279	219,585
2221D 46	Chiefly spun rayon and/or acetate.....	-	-	(NA)	(NA)
2221D 47	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211B 47	Chiefly cotton.....	(D)	(D)	(NA)	(NA)
2221G 33	Chiefly manmade.....	(D)	(D)	(NA)	(NA)
	All other sheeting, including osnaburgs.....	3,167	143,238	3,604	141,916
	More than 50 percent cotton.....	1,323	60,610	1,704	56,333
2211B 61	Weighing 5.9 ounces or less per square yard.....	988	43,696	1,263	36,781
	Weighing more than 5.9 ounces per square yard.....	335	16,914	441	19,552
2211B 63	Blanketing.....	187	10,123	292	13,237
2211B 65	All other fabric.....	148	6,791	149	6,315
	85 percent or more spun polyester.....	152	4,296	191	5,433
2221D 63	Blanketing.....	(D)	(D)	(D)	(D)
2221D 65	All other fabric.....	(D)	(D)	(D)	(D)
	Chiefly spun polyester mixed with cotton.....	1,123	51,559	1,052	49,783
2221D 73	Weighing 5.0 ounces or less per square yard.....	876	42,215	850	41,344
2221D 75	Weighing more than 5.0 ounces per square yard.....	247	9,344	202	8,439
	Chiefly spun acrylic.....	133	7,821	116	7,809
2221D 81	Blanketing.....	(D)	(D)	(D)	(D)
2221D 83	All other fabric.....	(D)	(D)	(D)	(D)
2221D 84	Chiefly spun rayon and/or acetate.....	-	-	(NA)	(NA)
2221D 85	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211B 67	Chiefly cotton.....	(D)	(D)	(NA)	(NA)
2221G 45	Chiefly manmade.....	(D)	(D)	(NA)	(NA)

See footnotes at end of table.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS—Continued

(Looms operating in number; production in thousands of square yards)

Product code	Product description	First quarter 1991		Fourth quarter 1990	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
2211C 01	Blue denim.....	3,345	168,926	3,505	155,587
2211C 03	More than 50 percent cotton.....	3,201	161,456	3,472	153,619
2211C 03	Weighing 10.7 ounces or less per square yard.....	389	19,324	456	23,054
2221E 03	Weighing more than 10.7 ounces per square yard.....	2,812	142,132	3,016	130,565
2211G 05	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221G 46	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211G 05	Chiefly cotton.....	(D)	(D)	(NA)	(NA)
2221G 46	Chiefly manmade.....	(D)	(D)	(NA)	(NA)
2211C 11	All other denim.....	701	38,220	496	28,844
2211C 11	More than 50 percent cotton.....	635	35,573	493	28,764
2211C 13	Weighing 10.7 ounces or less per square yard.....	58	2,624	66	2,227
2211C 13	Weighing more than 10.7 ounces per square yard.....	577	32,949	427	26,537
2221E 03	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2211C 15	Spun filament combinations.....	(D)	(D)	(D)	(D)
2221C 18	Chiefly cotton.....	(D)	(D)	(NA)	(NA)
2221C 18	Chiefly manmade.....	(D)	(D)	(NA)	(NA)
2211C 21	Canton flannels.....	444	5,445	426	5,329
2211C 31	All other twill weaves.....	6,940	220,765	6,386	210,680
2211C 31	More than 50 percent cotton.....	2,800	97,927	2,706	101,729
2211C 33	Weighing 5.9 ounces or less per square yards.....	1,128	34,085	1,225	35,400
2221E 21	Weighing more than 5.9 ounces per square yard.....	1,672	63,842	1,481	66,329
2221E 21	85 percent or more spun polyester.....	157	4,818	41	1,368
2221E 23	Chiefly spun polyester mixed with cotton.....	2,220	81,596	2,136	73,522
2221E 23	Weighing 5.0 ounces or less per square yard.....	514	10,261	448	8,924
2221E 25	Weighing more than 5.0 ounces per square yard.....	1,706	71,335	1,688	64,598
2221E 26	Chiefly spun rayon and/or acetate.....	(D)	(D)	(NA)	(NA)
2221E 27	All other fabrics, 85 percent or more spun yarn.....	1,046	17,880	1,137	19,154
2211C 35	Spun/filament combinations.....	(D)	(D)	366	14,907
2221C 39	Chiefly cotton.....	(D)	(D)	(NA)	(NA)
2221C 39	Chiefly manmade.....	(D)	(D)	(NA)	(NA)
2211D 05	Sateens.....	880	23,237	1,010	26,795
2221F 05	More than 50 percent cotton.....	245	10,424	379	13,799
2221F 06	Chiefly spun polyester mixed with cotton.....	127	3,043	197	3,584
2221F 07	Chiefly spun rayon and/or acetate.....	(D)	(D)	(NA)	(NA)
2211D 07	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	95	1,657
2221G 05	Spun/filament combinations.....	421	7,827	339	7,755
2221G 05	Chiefly cotton.....	(D)	(D)	(NA)	(NA)
2221G 05	Chiefly manmade.....	(D)	(D)	(NA)	(NA)
2211D 11	Oxfords.....	1,230	51,891	1,002	44,011
2221F 11	More than 50 percent cotton.....	775	37,617	691	31,467
2221F 17	Chiefly spun polyester mixed with cotton.....	110	4,770	157	5,198
2221F 17	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	16	3,173
2211D 13	Spun/filament combinations.....	(D)	(D)	138	4,173
2221G 68	Chiefly cotton.....	(D)	(D)	(NA)	(NA)
2221G 68	Chiefly manmade.....	(D)	(D)	(NA)	(NA)
2211D 31	Birdseye diaper cloth.....	(D)	(D)	(D)	(D)
2211D 35	Huck and crash toweling.....	(D)	(D)	(D)	(D)
2211D 45	Table damask.....	319	12,618	291	10,928
2221F 32	More than 50 percent cotton.....	(D)	(D)	59	802
2221F 35	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)
2221F 37	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2221G 82	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2211D 07	Chiefly cotton.....	(D)	(D)	(NA)	(NA)
2221G 82	Chiefly manmade.....	(D)	(D)	(NA)	(NA)
2211D 51	Jacquard and dobby shirting fabrics.....	484	10,367	379	9,455
2221F 41	More than 50 percent cotton.....	133	5,034	(D)	(D)
2221F 43	Chiefly spun polyester mixed with cotton.....	167	1,074	98	1,256
2221F 43	All other fabric, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)
2211D 53	Spun/filament combinations.....	(D)	(D)	(D)	(D)
2221G 84	Chiefly cotton.....	(D)	(D)	(NA)	(NA)
2221G 84	Chiefly manmade.....	(D)	(D)	(NA)	(NA)
2211D 62	All other weaves.....	6,197	141,870	7,006	153,829
2211D 62	More than 50 percent cotton.....	1,751	35,845	2,225	41,741
2221F 52	Weighing 5.9 ounces or less per square yard.....	619	13,952	1,048	17,528
2221F 52	Weighing more than 5.9 ounces per square yard.....	1,132	21,893	1,177	24,213
2221F 52	85 percent or more spun polyester.....	252	5,109	372	7,437
2221F 54	Chiefly spun polyester mixed with cotton.....	677	7,669	749	7,312
2221F 54	Weighing 5.0 ounces or less per square yard.....	246	4,369	276	2,858
2221F 56	Weighing more than 5.0 ounces per square yard.....	431	3,300	473	4,454
2221F 58	All other fabrics, 85 percent or more spun yarn.....	746	13,801	780	15,970
2211D 66	Spun/filament combinations.....	2,771	79,446	2,880	81,369
2221G 87	Chiefly cotton.....	(D)	(D)	(NA)	(NA)
2221G 87	Chiefly manmade.....	(D)	(D)	(NA)	(NA)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies.

(NA) Not available.

<sup>c</sup>Revised by 5 percent or more from previously published figures.



Table 5. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE FILAMENT YARN FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	First quarter 1991		Fourth quarter 1990	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	85 percent or more filament yarn fabrics.....	24,395	1,292,533	24,979	1,458,253
	High tenacity yarn fabrics.....	865	21,157	891	23,144
2221B 02	100 percent and chiefly rayon.....	(D)	(D)	471	4,753
2221C 02	100 percent and chiefly nylon.....	(D)	(D)	197	7,432
2221C 04	100 percent and chiefly polyester.....	159	6,491	223	10,959
2221C 07	85 percent more filament yarn fabric obtained from strip or the like, except rayon and/or acetate.....	(D)	(D)	(NA)	(NA)
	85 percent or more filament rayon, acetate and/or triacetate filament yarn fabrics.....	5,065	129,050	<sup>r</sup> 5,377	131,946
	Weighing not more than 5 ounces per square yard.....	4,299	114,070	<sup>r</sup> 4,547	115,181
2221B 11	Plain weave.....	2,605	64,200	<sup>r</sup> 2,772	74,874
2221B 13	Other weaves.....	1,694	49,870	1,775	40,307
	Weighing more than 5 ounces per square yard.....	766	14,980	830	16,765
2221B 15	Plain weave.....	(D)	(D)	(D)	(D)
2221B 17	Other weaves.....	(D)	(D)	(D)	(D)
	Other chiefly rayon and/or acetate filament yarn fabrics.....	2,549	43,263	<sup>r</sup> 2,742	<sup>r</sup> 43,375
2221B 32	Weighing not more than 5 ounces per square yard.....	571	10,027	<sup>r</sup> 773	<sup>r</sup> 9,960
2221B 35	Weighing more than 5 ounces per square yard.....	1,978	33,236	<sup>r</sup> 1,969	<sup>r</sup> 33,415
	85 percent or more nylon filament yarn fabrics.....	3,243	105,092	3,202	96,737
2221C 11	Typewriter and other impression fabrics.....	703	22,108	726	21,053
	Other 85 percent or more nylon filament yarn fabrics.....	2,540	82,984	2,476	75,684
	Weighing not more than 5 ounces per square yard.....	2,367	73,418	2,305	67,213
2221C 14	Flat, non-textured.....	2,133	65,582	2,089	60,708
2221C 16	All other.....	234	7,836	216	6,505
	Weighing more than 5 ounces per square yard.....	173	9,566	171	8,471
2221C 22	Flat, non-textured.....	60	2,045	56	2,105
2221C 24	All other.....	113	7,521	115	6,366
	Other chiefly nylon filament fabrics.....	303	3,239	317	3,116
2221C 32	Weighing not more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)
2221C 34	Weighing more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)
	85 percent or more polyester filament yarn fabrics.....	5,609	151,698	5,526	141,240
	Textured.....	3,976	109,098	3,817	100,378
2221C 42	Weighing not more than 5 ounces per square yard <sup>1</sup> .....	2,118	54,806	2,026	50,065
2221C 44	Flat.....	(D)	(D)	(D)	(D)
2221C 45	Other.....	(D)	(D)	(D)	(D)
	Weighing more than 5 ounces per square yard <sup>1</sup> .....	1,858	54,292	1,791	50,313
	Non-textured.....	1,633	42,600	1,709	40,862
2221C 50	Weighing not more than 5 ounces per square yard <sup>1</sup> .....	950	23,207	917	22,314
2221C 55	Weighing more than 5 ounces per square yard <sup>1</sup> .....	683	19,393	792	18,548
2221C 62	Other chiefly polyester filament fabrics.....	172	2,542	157	2,458
	Glass fiber fabrics.....	2,628	87,145	2,794	97,752
2221C 72	Woven roving and screening.....	69	3,826	69	3,782
2221C 74	All other glass fiber fabrics.....	2,559	83,319	2,725	93,970
	All other 85 percent or more filament yarn fabrics, including saran and olefin.....	3,923	748,937	3,973	918,485
	Carpet backing.....	2,829	661,425	2,810	846,524
2221C 80	Woven synthetic (including olefin).....	(D)	(D)	(NA)	(NA)
2221C 83	Jute and other backing.....	(D)	(D)	(NA)	(NA)
2221C 84	All other.....	1,094	87,512	1,163	71,961

(D) Data withheld to avoid disclosing figures for individual companies.  
published figures.

(NA) Not available.

<sup>r</sup>Revised by 5 percent or more from previously<sup>1</sup>Classified on a finished weight basis.



Table 6. PRODUCTION AND LOOM ASSIGNMENT OF PILE FABRICS  
(INCLUDES YARN DYED FABRIC)

(Looms operating in number; production in thousands of square yards)

Product code	Product description	First quarter 1991		Fourth quarter 1990	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Pile fabrics.....	5,903	126,947	6,069	113,844
	Corduroy.....	1,001	16,757	1,094	11,627
	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2211E 01	Finewales and pinwales.....	486	6,919	516	5,158
2211E 03	Midwales.....	(D)	(D)	(D)	(D)
2211E 06	Widewales and other.....	341	6,580	(D)	(D)
2221H 01	Chiefly manmade fiber.....	(D)	(D)	(D)	(D)
	Velvets, plushes, and other pile fabrics.....	768	11,187	792	10,455
2211E 21	More than 50 percent cotton.....	(D)	(D)	(D)	(D)
2221H 11	Chiefly manmade fiber.....	(D)	(D)	(D)	(D)
	Terry cloth and terry toweling.....	4,134	99,003	4,183	91,762
2211E 32	Terry toweling.....	3,934	94,169	(D)	(D)
2211E 34	Terry cloth.....	200	<sup>a</sup> 4,834	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies.

Table 7. PRODUCTION AND LOOM ASSIGNMENT OF WOOLEN AND WORSTED FABRICS,  
INCLUDING CHIEFLY MANMADE/WOOL BLENDS AND CHIEFLY COTTON/WOOL BLENDS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	First quarter 1991		Fourth quarter 1990	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Woolen and worsted fabrics, 36 percent or more wool (except felts) <sup>1</sup> .....	2,062	38,109	1,880	31,368
	Apparel fabrics, including government orders.....	1,895	35,555	1,710	28,679
	Worsted fabrics.....	1,133	22,269	986	18,405
22312 01	Weighing not more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)
22312 02	Weighing more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)
	Woolen fabrics.....	762	13,286	724	10,274
22312 21	Weighing not more than 9 ounces per square yard.....	(D)	(D)	(D)	(D)
22312 23	Weighing more than 9 ounces per square yard.....	(D)	(D)	(D)	(D)
	Nonapparel fabrics, including government orders (except felts).....	167	2,554	170	2,689
22312 62	Blanketing, including thermal.....	<sup>b</sup> 27	<sup>b</sup> 685	27	669
22312 61	Upholstery fabric.....	-	-	(NA)	(NA)
22312 85	All other fabrics.....	<sup>b</sup> 140	<sup>a</sup> 1,869	<sup>a</sup> 143	2,020
22312 92	Woven felts (thousands of pounds).....	160	1,612	159	1,443
	Chiefly manmade/wool blend and chiefly cotton/wool blend fabrics.....	(D)	(D)	(D)	(D)
2221H 21	Chiefly spun polyester mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)
	Woolen.....	(D)	(D)	(NA)	(NA)
	Worsted.....	(D)	(D)	(NA)	(NA)
2221H 25	Weighing not more than 5.9 ounces per square yard.....	(D)	(D)	(NA)	(NA)
2221H 27	Weighing more than 5.9 ounces per square yard.....	(D)	(D)	(NA)	(NA)
2221H 32	All other chiefly spun fibers mixed mainly or solely with wool.....	(D)	(D)	(D)	(D)
	Chiefly filament polyester mixed mainly or solely with wool or spun polyester/wool blends (less than 36 percent wool).....	(D)	(D)	(D)	(D)
2221H 51	Woolen.....	(D)	(D)	(NA)	(NA)
	Worsted.....	(D)	(D)	(NA)	(NA)
2221H 53	Weighing not more than 5.9 ounces per square yard.....	(D)	(D)	(NA)	(NA)
2221H 55	Weighing more than 5.9 ounces per square yard.....	(D)	(D)	(NA)	(NA)
2221H 63	All other chiefly filament yarn mixed mainly or solely with wool...	(D)	(D)	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. (NA) Not available.

<sup>1</sup>Includes fabrics 36 percent or more wool or reprocessed wool by weight. 1986 and prior years include fabrics 50 percent or more wool or reprocessed wool by weight.



Table 8. PRODUCTION AND LOOM ASSIGNMENT OF UPHOLSTERY FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	First quarter 1991		Fourth quarter 1990	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Upholstery fabrics.....	3,854	83,079	4,061	87,787
	85 percent or more spun yarn and spun filament combinations.....	3,100	68,901	3,281	70,547
	Pile woven.....	749	15,954	781	15,808
2211E 41	All cotton and chiefly cotton.....	98	890	<sup>a</sup> 116	<sup>a</sup> 972
2221H 41	All manmade and chiefly manmade.....	651	15,064	<sup>a</sup> 665	14,836
	Flat woven.....	2,351	52,947	2,500	54,739
2211X 01	All cotton and chiefly cotton.....	789	20,553	834	18,778
	All manmade and chiefly manmade.....	1,562	32,394	1,666	35,961
2221X 01	Olefin.....	347	6,732	<sup>a</sup> 336	8,338
2221X 03	All other flat woven manmade fiber fabrics.....	1,215	<sup>a</sup> 25,662	<sup>a</sup> 1,330	<sup>b</sup> 27,623
	85 percent or more filament yarn.....	754	14,178	780	<sup>r</sup> 17,240
2221X 01	All polyester and chiefly polyester.....	369	5,835	381	6,554
2221X 03	All nylon and chiefly nylon.....	(D)	(D)	(D)	(D)
2221X 05	All olefin and chiefly olefin.....	266	6,671	<sup>b</sup> 259	<sup>r</sup> 8,288
2221X 07	All other filament fiber fabrics.....	(D)	(D)	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

These data are included in the data shown in tables 4, 5, and 6.

(D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.

Table 9. PRODUCTION OF TIRE CORD AND TIRE CORD FABRICS

(Thousands of pounds)

Product code	Product description	Production during quarter	
		First quarter 1991	Fourth quarter 1990
22960 00	Tire cord and tire cord fabrics.....	175,687	177,701
22960 12	Cotton tire cord and tire cord fabrics.....	-	(D)
22960 32	Rayon tire cord and tire cord fabrics.....	855	(D)
22960 35	Nylon tire cord and tire cord fabrics.....	42,339	39,430
22960 37	Polyester tire cord and tire cord fabrics.....	43,214	43,662
22960 38	Glass tire cord and tire cord fabrics.....	176	279
22960 45	Steel tire cord.....	84,994	<sup>r</sup> 90,614
22960 49	All other tire cord and tire cord fabrics including chafer.....	3,139	2,975

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. <sup>r</sup>Revised by 5 percent or more from previously published figures.

Table 10. LOOMS IN PLACE AND LOOM HOURS OPERATED IN BROADWOVEN FABRIC MILLS

Product description	First quarter 1991		Fourth quarter 1990	
	Looms in place (number)	Thousands of loom hours operated	Looms in place (number)	Thousands of loom hours operated
Total.....	104,276	164,680	106,760	166,759
Shuttle type looms.....	38,280	55,034	40,677	60,318
Single shuttle cam looms.....	25,768	40,869	27,154	42,213
Single shuttle dobby looms.....	7,547	8,382	8,391	12,266
Multiple shuttle box or head motion looms.....	2,591	3,498	2,740	3,293
Double shuttle pile and plush, and jacquard looms.....	2,374	2,285	2,392	2,546
Shuttleless looms and weaving machines.....	65,996	109,646	66,083	106,441
Single filling insertion capability.....	38,900	69,014	38,735	67,120
Air jet looms.....	15,638	27,356	15,433	27,463
Water jet looms.....	<sup>a</sup> 5,997	9,577	5,968	8,950
Projectile looms.....	12,278	23,856	12,023	21,772
Rapier looms.....	4,987	8,225	5,311	8,935
Multiple filling insertion capability.....	26,442	39,957	26,655	38,650
Air jet looms.....	(D)	(D)	(D)	(D)
Water jet looms.....	(D)	(D)	(D)	(D)
Projectile looms.....	11,075	16,650	11,514	17,125
Rapier looms.....	12,181	17,481	11,932	16,616
Pile and plush looms.....	654	<sup>a</sup> 675	<sup>a</sup> 693	<sup>a</sup> 671

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies.



Table 11. PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF BROADWOVEN FABRICS: FIRST QUARTER 1991

(Quantity in thousands of square yards; value in thousands of dollars)

Product description	Manufacturers' shipments <sup>1</sup> (quantity)	Imports for consumption <sup>2</sup>		Percent imports to manufacturers' shipments (quantity)	Exports of domestic merchandise <sup>4</sup>		Percent exports to manufacturers' shipments (quantity)	Apparent consumption <sup>5</sup>
		Quantity	Value <sup>3</sup>		Quantity	Value		
Cotton fabrics <sup>6</sup> .....	1,064,075	355,145	324,739	33.4	(NA)	(NA)	(NA)	(NA)
Cheesecloth and batistes.....	(D)	6,656	4,641	(D)	10,602	15,786	(D)	(D)
Print cloth.....	79,451	88,069	52,862	110.8	952	1,710	1.2	166,569
Poplin and broadcloth.....	22,923	50,386	41,523	219.8	4,990	9,436	21.8	68,319
Weighing 5.9 ounces or less per square yard.....	10,802	50,068	40,404	463.5	2,945	6,135	27.3	57,925
Weighing more than 5.9 ounces per square yard.....	12,121	319	1,119	2.6	2,045	3,301	16.9	10,394
Duck, including tape warp.....	(D)	18,711	19,055	(D)	2,831	6,230	(D)	(D)
Sheeting.....	141,615	101,493	71,942	71.7	3,110	7,423	2.2	239,998
Twills and sateens.....	126,018	50,983	60,173	40.5	2,923	6,648	2.3	174,078
Oxfords.....	12,145	1,380	2,972	11.4	(NA)	(NA)	(NA)	(NA)
All other constructions.....	60,742	14,053	16,719	23.1	(NA)	(NA)	(Z)	74,795
Blue Denim.....	166,928	5,741	10,632	3.4	18,774	42,357	11.2	153,895
Yarn dyed fabric.....	76,256	16,489	39,122	21.6	5,243	9,502	6.9	87,502
Pile fabrics, including yarn dyed.....	116,252	1,184	5,098	1.0	2,463	6,498	2.1	114,973
Manmade fiber fabrics.....	2,540,456	142,817	301,327	5.6	69,384	142,526	2.7	2,613,889
85% or more filament yarn fabrics.....	1,292,123	71,135	124,649	5.5	31,409	65,750	2.4	1,331,850
Nylon and polyester high tenacity fabric.....	16,725	4,654	5,977	27.8	8,025	17,176	48.0	13,354
Rayon high tenacity fabric.....	4,432	99	416	2.2	500	2,079	11.3	4,031
Typewriter fabric.....	22,108	(NA)	(NA)	(Z)	(NA)	(NA)	(NA)	(NA)
Rayon or acetate filament yarn fabrics.....	172,313	2,713	6,873	1.6	2,144	4,967	1.2	172,882
Polyester filament yarn fabric.....	154,240	49,324	90,186	32.0	12,028	19,026	7.8	191,537
Glass fiber fabric.....	87,145	5,176	8,382	5.9	(NA)	(NA)	(NA)	(NA)
Nylon filament yarn fabric.....	86,223	8,349	10,852	9.7	3,103	8,950	3.6	91,469
All other filament yarn fabric.....	748,937	820	1,963	(Z)	5,610	13,552	0.7	744,148
85% or more spun yarn fabric.....	934,306	45,406	56,463	4.9	25,625	46,175	2.7	954,087
Cheesecloth and batistes.....	31,153	2,484	2,018	8.0				
Poplin broadcloth.....	154,578	12,177	9,960	7.9				
Polyester/cotton.....	130,767	10,010	7,508	7.7				
Weighing 5.0 ounces or less per square yard.....	123,184	9,696	6,903	7.9				
Weighing more than 5.0 ounces per square yard.....	7,583	314	605	4.1				
All other spun yarns.....	23,811	2,167	2,452	9.1				
Print cloth.....	190,654	11,040	6,905	5.8				
Polyester/cotton.....	148,548	7,781	4,495	5.2				
All other spun yarns.....	42,106	3,259	2,410	7.7				
Duck.....	(D)	64	360	(D)				
Sheeting.....	358,943	2,315	3,747	0.6	23,160	39,229	(NA)	(NA)
Polyester/cotton.....	(D)	1,082	796	(D)				
Weighing 5.0 ounces or less per square yard.....	(D)							
Weighing more than 5.0 ounces per square yard.....	(D)	1,082	796	(D)				
All other spun yarn.....	(D)	1,233	2,951	(D)				
Sateens or twills.....	113,227	9,286	10,193	8.2				
Oxford.....	10,189	-	1	(Z)				
All other spun manmade fiber fabrics.....	21,959	1,386	4,704	6.3				
Yarn dyed fabric.....	36,416	6,278	15,918	17.2				
Pile fabrics.....	10,695	375	2,657	3.5	2,465	6,946	23.0	8,605
Spun/filament yarn combinations, including yarn dyed.....	(D)	16,588	33,972	(D)	12,069	28,378	(D)	(D)
Chiefly manmade/wool blends.....	(D)	4,388	15,876	(D)	(NA)	(NA)	(NA)	(NA)
Silk fabrics.....	154	5,299	70,367	3441.1	281	2,223	182.4	5,172
Wool fabrics.....	38,109	6,629	73,753	17.4	796	4,636	2.1	43,942
Chiefly cotton fabrics blended with wool and other vegetable fibers and other vegetable fiber fabrics.....	(D)	37	253	(D)	(NA)	(NA)	(D)	(D)

Note: Fabric blends as shown in Current Industrial Reports Series MQ22T are reported based on the chief weight of the fiber whereas fabric blends as shown for imports and exports are based on the chief value of the fiber.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. (NA) Not available. (Z) Less than one half of one percent.

<sup>1</sup>Represents production of gray broadwoven fabrics; import and export data represent gray as well as finished broadwoven fabrics. For a comparison of Standard Industrial Classification (SIC) based product codes with Schedule B export numbers and HTSUSA import numbers, see table 12.

<sup>2</sup>Source: Bureau of the Census Report IM 145, U.S. Imports for Consumption.

<sup>3</sup>Source: Bureau of the Census Report EM 545, U.S. Exports.

<sup>4</sup>This dollar value represents the c.i.f. (cost, insurance, and freight) at the first port of entry in the United States plus calculated import duty.

<sup>5</sup>Apparent consumption represents new domestic supply and is derived by subtracting exports from the total manufacturers' shipments plus imports.

<sup>6</sup>Includes all cotton and chiefly cotton mixed with manmade fiber.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH  
SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2211B 02 2211B 41	Cotton cheesecloth and batistes.....	5208.11.2090, 5208.11.4090 5208.11.6000, 5208.11.8090 5208.12.4090, 5208.12.6090 5208.12.8090, 5208.21.2090 5208.21.4090, 5208.21.6090 5208.22.4090, 5208.22.6090 5208.22.8090, 5208.31.4090 5208.31.6090, 5208.31.8090 5208.32.3090, 5208.32.4090 5208.32.5090, 5208.51.4090 5208.51.6090, 5208.51.8090 5208.52.3090, 5208.52.4090 5208.52.5090, 5210.11.4090 5210.11.6090, 5210.11.8090 5210.21.4090, 5210.21.6090 5210.21.8090, 5210.31.4090 5210.31.6090, 5210.31.8090 5210.51.4090, 5210.51.6090 5210.51.8090, 5211.51.0090	5208.11.2090, 5208.11.4090 5208.11.9000, 5208.12.4090 5208.12.6090, 5208.12.8090 5208.21.2090, 5208.21.4090 5208.21.6090, 5208.22.4090 5208.22.6090, 5208.22.8090 5208.31.4090, 5208.31.6090 5208.31.8090, 5208.32.3090 5208.32.4090, 5208.32.5090 5208.51.4090, 5208.51.6090 5208.51.8090, 5208.52.3090 5208.52.4090, 5208.52.5090 5210.11.4090, 5210.11.6090 5210.11.8090, 5210.21.4090 5210.21.6090, 5210.21.8090 5210.31.4090, 5210.31.6090 5210.31.8090, 5210.51.4090 5210.51.6090, 5210.51.8090 5211.11.0090, 5211.21.0090 5211.31.0090, 5211.41.0090 5211.51.0090
2211B 12	Cotton print cloth.....	5208.11.4060, 5208.12.6060 5208.21.4060, 5208.22.6060 5208.31.6060, 5208.32.4060 5208.51.6060, 5208.52.4060 5210.11.6060, 5210.21.6060 5210.31.6060, 5210.51.6060	5208.11.4060, 5208.12.6060 5208.21.4060, 5208.22.6060 5208.31.6060, 5208.32.4060 5208.51.6060, 5208.52.4060 5210.11.6060, 5210.21.6060 5210.31.6060, 5210.51.6060
2211B 21 2211B 25	Cotton poplin and broadcloth (5.9 ounces or less per square yard).....	5208.11.2020, 5208.11.4020 5208.11.8020, 5208.12.4020 5208.12.6020, 5208.12.8020 5208.21.2020, 5208.21.4020 5208.21.6020, 5208.22.4020 5208.22.6020, 5208.22.8020 5208.31.4020, 5208.31.6020 5208.31.8020, 5208.32.3020 5208.32.4020, 5208.32.5020 5208.51.4020, 5208.51.6020 5208.51.8020, 5208.52.3020 5208.52.4020, 5208.52.5020 5210.11.4020, 5210.11.6020 5210.11.8020, 5210.21.4020 5210.21.6020, 5208.21.8020 5210.31.4020, 5210.31.6020 5210.31.8020, 5210.51.4020 5210.51.6020, 5210.51.8020	5208.11.2020, 5208.11.4020 5208.11.8020, 5208.12.4020 5208.12.6020, 5208.12.8020 5208.21.2020, 5208.21.4020 5208.21.6020, 5208.22.4020 5208.22.6020, 5208.22.8020 5208.31.4020, 5208.31.6020 5208.31.8020, 5208.32.3020 5208.32.4020, 5208.32.5020 5208.51.4020, 5208.51.6020 5208.51.8020, 5208.52.3020 5208.52.4020, 5208.52.5020 5210.11.4020, 5210.11.6020 5210.11.8020, 5210.21.4020 5210.21.6020, 5208.21.8020 5210.31.4020, 5210.31.6020 5210.31.8020, 5210.51.4020 5210.51.6020, 5210.51.8020
2211B 30	Cotton poplin and broadcloth (more than 5.9 ounces per square yard).....	5209.11.0020, 5209.21.0020 5209.31.6020, 5209.51.6020 5211.11.0020, 5211.21.0020 5211.31.0020, 5211.51.0020	5209.11.0020, 5209.21.0020 5209.31.6020, 5209.51.6020 5211.11.0020, 5211.21.0020 5211.31.0020, 5211.51.0020
2211B 71	Duck.....	5209.11.0090, 5209.19.0060 5209.21.0090, 5209.29.0060 5209.31.6090, 5209.39.0060 5209.51.6090, 5209.59.0060 5211.11.0090, 5211.19.0060 5211.21.0090, 5211.29.0060 5211.31.0090, 5211.39.0060 5211.51.0090, 5211.59.0060	5209.11.0090, 5209.21.0090 5209.31.6090, 5209.51.6090 5211.11.0090, 5211.21.0090 5211.31.0090, 5211.51.0090
2211B 45 2211B 61 2211B 63 2211B 65	Sheeting.....	5208.11.2040, 5208.11.4040 5208.12.4040, 5208.12.6040 5208.21.2040, 5208.21.4040 5208.22.4040, 5208.22.6040 5208.31.4040, 5208.31.6040 5208.32.3040, 5208.32.4040 5208.51.4040, 5208.51.6040 5208.52.3040, 5208.52.4040 5209.11.0030, 5209.11.0050 5209.21.0030, 5209.21.0050 5209.31.6030, 5209.31.6050 5209.51.6030, 5209.51.6050 5210.11.4040, 5210.11.6040 5210.21.4040, 5210.21.6040 5210.31.4040, 5210.31.6040 5210.51.4040, 5210.51.6040 5211.11.0030, 5211.11.0050 5211.21.0030, 5211.21.0050 5211.31.0030, 5211.31.0050 5211.51.0030, 5211.51.0050	5208.11.2040, 5208.11.4040 5208.12.4040, 5208.12.6040 5208.21.2040, 5208.21.4040 5208.22.4040, 5208.22.6040 5208.31.4040, 5208.31.6040 5208.32.3040, 5208.32.4040 5208.51.4040, 5208.51.6040 5208.52.3040, 5208.52.4040 5209.11.0040, 5209.21.0040 5209.31.6040, 5209.51.6040 5210.11.4040, 5210.11.6040 5210.21.4040, 5210.21.6040 5210.31.4040, 5210.31.6040 5210.51.4040, 5210.51.6040 5211.11.0040, 5211.21.0040 5211.31.0040, 5211.51.0040

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH  
SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991--Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2211C 11 2211C 13 2211C 31 2211C 33 2211D 05	Twills and sateens.....	5208.13.0000, 5208.19.2020 5208.19.2090, 5208.23.0000 5208.29.2020, 5208.29.2090 5208.33.0000, 5208.39.2020 5208.39.2090, 5208.53.0000 5208.59.2020, 5208.59.2090 5209.12.0020, 5209.12.0040 5209.19.0020, 5209.19.0040 5209.22.0020, 5209.22.0040 5209.29.0020, 5209.29.0040 5209.32.0020, 5209.32.0040 5209.39.0020, 5209.39.0040 5209.52.0020, 5209.52.0040 5209.59.0020, 5209.59.0040 5210.12.0000, 5210.19.2020 5210.19.2090, 5210.22.0000 5210.29.2020, 5210.29.2090 5210.32.0000, 5210.39.2020 5210.39.2090, 5210.52.0000 5210.59.2020, 5210.59.2090 5211.12.0020, 5211.12.0040 5211.19.0020, 5211.19.0040 5211.22.0020, 5211.22.0040 5211.29.0020, 5211.29.0040 5211.32.0020, 5211.32.0040 5211.39.0020, 5211.39.0040 5211.52.0020, 5211.52.0040 5211.59.0020, 5211.59.0040	5208.13.0000, 5208.19.2000 5208.23.0000, 5208.29.2000 5208.33.0000, 5208.39.2000 5208.53.0000, 5208.59.2000 5209.12.0000, 5209.19.0030 5209.22.0000, 5209.29.0030 5209.32.0000, 5209.39.0030 5209.52.0000, 5209.59.0030 5210.12.0000, 5210.19.2000 5210.22.0000, 5210.29.2000 5210.32.0000, 5210.39.2000 5210.52.0000, 5210.59.2000 5211.12.0000, 5211.19.0030 5211.22.0000, 5211.29.0030 5211.32.0000, 5211.39.0030 5211.52.0000, 5211.59.0030
2211C 01 2211C 03	Blue denim.....	5209.42.0020, 5211.42.0020 5209.42.0040, 5211.42.0040	5209.42.0020, 5211.42.0020 5209.42.0020, 5211.42.0040
2211E 00	Pile fabrics (including yard dyed).....	5801.21.0000-5801.26.0020 5802.11.0000, 5802.11.0000	5801.21.0000-5801.26.0000 5802.11.0000-5802.30.9000
2211X XX	Cotton yarn dyed.....	5208.41.4000-5208.41.8000 5208.42.3000-5208.42.5000 5208.43.0000-5208.49.8090 5209.41.6020, 5209.41.6040 5209.43.0020-5209.49.0090 5210.41.4000-5210.49.8090 5211.41.0020, 5211.41.0040 5211.43.0020-5211.49.0090	5208.41.9000, 5208.42.9000 5208.43.0000, 5208.49.2000 5208.49.9000, 5209.41.6070 5209.43.0000, 5209.49.0000 5210.41.0000-5210.49.9000 5211.41.0000, 5211.43.0000 5211.49.0000
2211D 11	Oxfords.....	5208.19.4020, 5208.19.6020 5208.19.8020, 5208.29.4020 5208.29.6020, 5208.29.8020 5208.39.4020, 5208.39.6020 5208.39.8020, 5208.59.4020 5208.59.6020, 5208.59.8020 5210.19.4020, 5210.19.6020 5210.19.8020, 5210.29.4020 5210.29.6020, 5210.29.8020 5210.39.4020, 5210.39.6020 5210.39.8020, 5210.59.4020 5210.59.6020, 5210.59.8020	5208.19.9000, 5208.29.9000 5208.39.9000, 5208.59.9000 5209.19.0070, 5209.29.0070 5209.39.0070, 5209.59.0070 5210.19.9000, 5210.29.9000 5210.39.9000, 5210.59.9000 5211.19.0070, 5211.29.0070 5211.39.0070, 5211.59.0070
2211D 31 2211D 35 2211D 45 2211D 51 2211D 62 2211D 64	All other constructions.....	5208.19.4090, 5208.19.6090 5208.19.8090, 5208.29.4090 5208.29.6090, 5208.29.8090 5208.39.4090, 5208.39.6090 5208.39.8090, 5208.59.4090 5208.59.6090, 5208.59.8090 5209.19.0090, 5209.29.0090 5209.39.0080, 5209.39.0090 5209.59.0090, 5210.19.4090 5210.19.6090, 5210.19.8090 5210.29.4090, 5210.29.6090 5210.29.8090, 5210.39.4090 5210.39.6090, 5210.39.8090 5210.59.4090, 5210.59.6090 5210.59.8090, 5211.19.0090 5211.29.0090, 5211.39.0090 5211.59.0090	5208.19.9000, 5208.29.9000 5208.39.9000, 5208.59.9000 5209.19.0070, 5209.29.0070 5209.39.0070, 5209.59.0070 5210.19.9000, 5210.29.9000 5210.39.9000, 5210.59.9000 5211.19.0070, 5211.29.0070 5211.39.0070, 5211.59.0070

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH  
SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991--Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221C 02 2221C 04	Nylon and polyester high tenacity fabrics....	5407.10.0010, 5407.10.0090	5407.10.0000
2221B 02	Rayon high tenacity fabrics.....	5408.10.0000	5408.10.0000
2221C 11	Typewriter fabrics.....	5407.41.0010, 5407.41.0020	
2221C 14 2221C 16 2221C 22 2221C 24 2221C 32 2221C 34	Other nylon filament fabrics.....	5407.41.0030-5407.44.0060	5407.41.0000-5407.44.0000
2221B 11 2221B 13 2221B 15 2221B 17 2221B 32 2221B 34	Rayon and acetate filament yarn fabrics.....	5408.21.0030-5408.24.0060	5408.21.0000-5408.24.0000
2221C 42 2221C 44 2221C 45 2221C 50 2221C 55 2221C 62	Polyester filament yarn fabric.....	5407.51.0020, 5407.51.0040 5407.51.0060, 5407.52.2020 5407.52.2040, 5407.52.2060 5407.53.2020, 5407.53.2040 5407.53.2060, 5407.54.0020 5407.54.0040, 5407.54.0060 5407.60.2005, 5407.60.2010 5407.60.2015, 5407.60.2025 5407.60.2030, 5407.60.2035 5407.60.2045, 5407.60.2050 5407.60.2055, 5407.60.2065 5407.60.2070, 5407.60.2075	5407.51.0000, 5407.52.0000 5407.53.0000, 5407.54.0000
2221C 72 2221C 74	Glass fiber fabrics.....	7019.20.2000, 7019.20.5000	7019.20.4000
2221C 80 2221C 83 2221C 84	All other filament yarn fabrics.....	5407.71.0030-5407.74.0060	5407.71.0000-5407.74.0000
2221D 03 2221D 04 2221D 08 2221D 43 2221D 44 2221G 04 2221D 41	Chiefly manmade fiber cheesecloth, lawns, and batistes.....	5512.11.0040, 5512.19.0035 5512.21.0040, 5512.29.0030 5512.91.0040, 5512.99.0030 5513.11.0090, 5513.19.0040 5513.21.0090, 5513.29.0040 5513.41.0090, 5513.49.0040 5515.11.0030, 5515.19.0030 5515.29.0030, 5515.99.0030 5516.41.0040, 5516.42.0040 5516.44.0040, 5516.91.0040 5516.92.0040, 5516.94.0040	
2221D 23 2221D 25	Poplin and broadcloth poly/cotton (5.0 ounces or less per square yard).....	5513.11.0020, 5513.21.0020 5513.41.0020	
2221D 27 2221D 31	Poplin and broadcloth poly/cotton (over 5.0 ounces per square yard).....	5514.11.0020, 5514.21.0020 5514.41.0020	
2221D 34	Poplin and broadcloth, all other spun yarn...	5512.11.0010, 5512.19.0015 5512.21.0010, 5512.29.0015 5512.91.0010, 5512.99.0015 5513.19.0010, 5513.29.0010 5513.49.0010, 5514.19.0010 5514.29.0010, 5514.49.0010 5515.11.0015, 5515.19.0015 5515.29.0015, 5515.99.0015 5516.41.0010, 5516.42.0010 5516.44.0010, 5516.91.0010 5516.92.0010, 5516.94.0010	

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH  
SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991--Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221D 13	Poly/cotton print cloth.....	5513.11.0060, 5513.21.0060 5513.41.0060	
2221D 16 2221D 18 2221D 15	} Other spun yarn, chiefly manmade fiber print cloth.....	5512.11.0030, 5512.19.0030 5512.21.0030, 5512.29.0025  5512.91.0030, 5512.99.0025 5513.19.0030, 5513.29.0030 5513.49.0030, 5515.11.0025 5515.19.0025, 5515.29.0025 5515.99.0025, 5516.41.0030 5516.42.0030, 5516.44.0030 5516.91.0030, 5516.92.0030 5516.94.0030	
2221D 89 2221D 91	} Duck.....	5512.11.0050, 5512.19.0040 5512.21.0050, 5512.29.0035 5512.91.0050, 5512.99.0035 5514.11.0090, 5514.13.0040 5514.19.0030, 5514.21.0090 5514.23.0040, 5514.29.0030 5514.41.0090, 5514.43.0040 5514.49.0030, 5515.11.0035 5515.19.0035, 5515.29.0035 5515.99.0035, 5516.41.0050 5516.42.0050, 5516.44.0050 5516.91.0050, 5516.92.0050 5516.94.0050	
2221D 43 2221D 45 2221D 73 2221D 75	} Poly-cotton sheeting.....	5513.11.0040, 5513.21.0040 5513.41.0040, 5514.11.0030 5514.11.0050, 5514.21.0030 5514.21.0050, 5514.41.0030 5514.41.0050	
2221D 46 2221D 63 2221D 65 2221D 81 2221D 83 2221D 84	} Other manmade fiber spun yarn sheeting.....	5512.11.0022, 5512.11.0027 5512.19.0022, 5512.19.0027 5512.21.0020, 5512.29.0020 5512.91.0020, 5512.99.0020 5513.19.0020, 5513.29.0020 5513.49.0020, 5514.19.0020 5514.29.0020, 5514.49.0020 5515.11.0020, 5515.19.0020 5515.29.0020, 5512.99.0020 5516.41.0022, 5516.41.0027 5516.42.0022, 5516.42.0027 5516.44.0022, 5516.44.0027 5516.91.0020, 5516.92.0020 5516.94.0020	5512.11.0000-5514.49.0000 5515.11.0000, 5515.19.0000 5515.29.0000, 5515.99.0000 5516.41.0000-5516.94.0000
2221E 03 2221G 46	} Manmade fiber blue denim.....	5512.19.0010, 5512.29.0010 5512.99.0010, 5514.32.0010 5514.39.0010, 5515.11.0010 5515.19.0010, 5515.29.0010 5515.99.0010, 5516.43.0010 5516.93.0010	
2221E 21 2221E 23 2221E 25 2221E 26 2221E 28 2221F 05 2221F 06 2221F 07	} Twills and sateens.....	5512.11.0060, 5512.19.0045 5512.21.0060, 5512.29.0040 5512.91.0060, 5512.99.0040 5513.12.0000, 5513.13.0020 5513.19.0050, 5513.22.0000 5513.23.0020, 5513.29.0050 5513.42.0000, 5513.43.0020 5513.49.0050, 5514.12.0020 5514.12.0040, 5514.13.0020 5514.19.0040, 5514.22.0020 5514.22.0040, 5514.23.0020 5514.29.0040, 5514.42.0020 5514.42.0040, 5514.43.0020 5514.49.0040, 5515.11.0040 5515.19.0040, 5515.29.0040 5515.99.0040, 5516.11.0020 5516.12.0020, 5516.14.0020 5516.41.0060, 5516.42.0060 5516.44.0060, 5516.91.0060 5516.92.0060, 5516.94.0060	
2221F 11 2221P 17	} Oxfords.....	5512.11.0070, 5512.19.0050 5512.21.0070, 5512.29.0045 5512.91.0070, 5512.99.0045 5513.13.0040, 5513.19.0060 5513.23.0040, 5513.29.0060 5513.43.0040, 5513.49.0060 5515.11.0045, 5515.19.0045 5515.29.0045, 5515.99.0045 5516.41.0070, 5516.42.0070 5516.44.0070, 5516.91.0070 5516.92.0070, 5516.94.0070	

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH  
SCHEDULE 8 EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991--Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221X XX	Manmade fiber yarn dyed.....	5512.19.0005, 5512.29.0005 5512.99.0005, 5513.31.0000-5513.39.0090 5514.31.0000, 5514.32.0090 5514.33.0010, 5514.33.0090 5514.39.0020, 5514.39.0090 5515.11.0005, 5515.19.0005 5515.29.0005, 5515.99.0005 5516.13.0000, 5516.43.0020-5516.43.0090 5516.93.0020, 5516.93.0090	
2221F 32	All other manmade fiber spun yarn.....	5512.11.0090, 5512.19.0090 5512.21.0090, 5512.29.0090 5512.91.0090, 5512.99.0090 5513.13.0090, 5513.19.0090 5513.23.0090, 5513.29.0090 5513.43.0090, 5513.49.0090 5514.13.0090, 5514.19.0090 5514.23.0090, 5514.29.0090 5514.43.0090, 5514.49.0090 5515.11.0090, 5515.19.0090 5515.29.0090, 5515.99.0090 5516.41.0090, 5516.42.0090 5516.44.0090, 5516.91.0090 5516.92.0090, 5516.94.0090	
2221F 37			
2221F 41			
2221F 43			
2221F 52			
2221F 54			
2221F 56			
2221F 58			
2221H 21	Manmade/wool blends, chiefly manmade.....	5407.91.1000, 5407.92.1000 5407.93.1000, 5407.94.1000 5408.31.1000, 5408.32.1000 5408.33.1000, 5408.34.1000 5515.13.0000, 5515.13.1000 5515.22.0000, 5515.22.1000 5515.92.0000, 5515.92.1000 5516.31.0000-5516.34.1000	
2221H 25			
2221H 27			
2221H 51			
2221H 53			
2221H 55			
2221H 32			
2221H 63			
2221G 04	Spun/filament combinations.....	5407.81.0010-5407.84.0090 5407.91.2020-5407.91.2090 5407.92.2020-5407.92.2090 5407.93.2020-5407.93.2090 5407.94.2020-5407.94.2090 5408.31.2020-5408.31.2090 5408.32.9020-5408.32.9090 5408.33.9020-5408.33.9090 5408.34.9020-5408.34.9090 5515.12.0010-5515.12.0090 5515.21.0010-5515.21.0090 5515.91.0010-5515.91.0090 5516.21.0010-5516.24.0090	5407.81.0000-5407.94.0000 5408.31.0000-5408.34.0000 5515.12.0000, 5515.21.0000 5515.91.0000, 5516.21.0000-5516.24.0000
2221G 07			
2221G 19			
2221G 18			
2221H 77			
2221G 33			
2221G 45			
2221G 46			
2221G 18			
2221G 39			
2221G 05			
2221G 68			
2221G 82			
2221G 84			
2221G 87			
2221H 01	Manmade fiber pile.....	5801.31.0000-5801.36.0000	5801.31.0000-5801.36.0000
2221H 11		5802.20.0020, 5802.30.0030	5802.20.0000, 5802.30.0000
2221H 31	Silk fabrics.....	5007.10.3020-5007.90.6090	5007.10.0000-5007.90.0000
22312 01	Wool fabrics.....	5111.11.6000-5112.90.6090 5212.11.1010, 5212.11.1020 5212.12.1010, 5212.12.1020 5212.13.1010, 5212.13.1020 5212.14.1010, 5212.14.1020 5212.15.1010, 5212.15.1020 5212.21.1010, 5212.21.1020 5212.22.1010, 5212.22.1020 5212.23.1010, 5212.23.1020 5212.24.1010, 5212.24.1020 5212.25.1010, 5212.25.1020 5407.91.0510, 5407.91.0520 5407.92.0510, 5407.92.0520 5407.93.0510, 5407.93.0520 5407.94.0510, 5407.94.0520 5408.31.0510, 5408.31.0520 5408.32.0510, 5408.32.0520 5408.33.0510, 5408.33.0520 5408.34.0510, 5408.34.0520 5515.13.0510, 5515.13.0520 5515.22.0510, 5515.22.0520 5515.92.0510, 5515.92.0520 5516.31.0510, 5516.31.0520 5516.32.0510, 5516.32.0520 5516.33.0510, 5516.33.0520 5516.34.0510, 5516.34.0520 5801.10.0000	5111.11.0000-5112.90.0000 5801.14.0000
22312 02			
22312 21			
22312 23			
22312 62			
22312 61			
22312 85			
22312 92			

<sup>1</sup>Source: 1991 edition, Harmonized System-Based Schedule B, Statistical Classification of Domestic and Foreign  
Commodities Exported from the United States.

<sup>2</sup>Source: Harmonized Tariff Schedule of the United States, Annotated (1991).



## DESCRIPTION OF SURVEY

**Scope of Survey.** This survey covers all companies manufacturing broadwoven fabrics (gray) in the United States, except very small firms (generally less than 5 employees) for which 1987 Census of Manufactures data were derived from administrative records of other Government agencies.

**Survey Methodology.** The statistics in this publication were collected by mail on Bureau of the Census quarterly Form MQ22T, Broadwoven Fabrics (Gray). The survey panel includes all known manufacturers of broadwoven fabrics (gray), except those very small firms excluded from the scope of the survey. Approximately 400 establishments are included.

**Reliability of Data.** Survey error may result from several sources: (1) inability to obtain information about all cases in the survey, (2) response errors, (3) definitional difficulties, (4) differences in the interpretation of questions, (5) mistakes in recording or coding the data obtained, and (6) other errors of collection, response, coverage, and estimation for missing data. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is due to imputing data for nonrespondents, for late reporters, and for data which failed the edit. Missing figures are imputed based on quarter-to-quarter movements shown by reporting firms. Imputation generally is limited to a maximum of 10 percent for any one data cell. Figures with imputation rates greater than 10 percent are footnoted.

The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse, because the actual quarterly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is not precisely known, but is assumed to be small. The degree of uncertainty regarding the accuracy of the published data, however, increases as the percentage of imputation increases. Figures with imputation rates above 25 percent should be used with caution.

**Revisions to Previous Period Data.** Statistics for previous quarters may be revised as the result of corrected data from respondents, including the receipt of late reports for which imputations were made as described above. Figures which have been revised by more than 5 percent from previously published figures are indicated by footnotes.

## EXPLANATION OF TERMS

*Woolen and Worsted Fabrics, Chiefly Wool.* Fabrics 36 percent or more by weight of wool, reprocessed wool, or reused wool. Apparel fabrics include all fabrics that may be labeled as being made entirely of wool, reprocessed wool, and reused wool under the Wool Products Labeling Act. This includes blends of wool of sheep with, and fabrics entirely of mohair, cashmere, camel hair, alpaca, llama, and vicuna.

*Cotton Fabrics.* Fabrics wholly or chiefly by weight of cotton.

*Manmade Fiber Fabrics.* Fabrics wholly or chiefly by weight of manmade fibers.

*Blends and Mixtures.* Fabrics made from more than one fiber are classified in the same way as other fabrics, i.e., according to whether the fabric is chiefly cotton, wool, or manmade fiber. As examples, a fabric which is 55 percent cotton and 45 percent rayon is classified as cotton; a fabric which is 40 percent cotton, 30 percent rayon, and 30 percent acetate is classified as manmade.

Blends and mixture which are by weight 50 percent natural fiber and 50 percent manmade fiber are, for purposes of continuity, classified in the manmade category.

*Production.* Represents total production of broadwoven gray fabrics by all weaving mills regardless of their primary activity.

*Units of Quantity.* Production is reported in thousands of square yards except for woven felts, tire cord and tire cord fabrics, which are reported in thousands of pounds.

*Looms Operating.* Represents number of looms operating at the end of the quarter, assigned to the specific fabrics.

*Spun Yarn Fabrics.* Includes all fabrics that contain 85 percent or more spun yarns.

*Filament Yarn Fabrics.* Includes all fabrics that contain 85 percent or more filament yarns.

*Spun/Filament Combinations.* Includes fabrics that are combinations of spun and filament yarn where neither the spun or filament yarns exceed 85 percent.

*Plain Weave Fabrics.* A fabric construction in which each yarn of the weft passes alternately over and under successive yarns of the warp and each yarn of the warp passes alternately over and under successive yarns of the weft.



*Tobacco, Cheese, and Bandage Cloth.* Fabrics of plain weave, weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) consisting of 85 or less warp ends and filling picks per square inch whether or not napped.

*Print Cloth.* Fabrics of plain weave, weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) of average yarn numbers 26-40, consisting of more than 85 singles yarns per square inch, of square construction, whether or not of yarns of different colors (yarn dyed), whether or not napped.

*Poplin and Broadcloth.* Fabrics of plain weave, not of square construction, whether or not napped, but does not include the following types—fabrics weighing not more than 5.9 ounces per square yard, containing 85 or less warp ends and filling picks per square inch, or fabrics weighing more than 5.9 ounces per square yard of average yarn number 15 or lower.

*Lawns, Voiles, and Batistes.* Fabrics of plain weave weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) consisting of more than 85 warp ends and filling picks per square inch, of square construction, of average yarn number 41 or higher, whether or not napped.

*Sheeting.* Fabrics of plain weave, whether or not napped, of the following types:

Fabrics weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), of square construction, containing more than 85 warp end and filling picks per square inch, of average yarn number 40 or lower, but not including print cloth.

Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) but does not include fabrics of which the warp or filling, or both, consists of multiple (folded) or cabled yarns, of average yarn number 15 or lower or fabrics of average yarn number 16 or higher number, not of square construction.

*Will Weave Fabrics.* Fabrics in which the warp and filling yarns are interlaced in such a manner as to produce a diagonal or bias effect on the face of the fabric.

*Blue Denim.* Fabrics of 3 or 4- thread twill, including broken twill, warp faced, the warp yarns of which are dyed blue and the weft yarns of which are unbleached, bleached, dyed grey or colored a lighter shade of blue than that of the warp yarns.

*All Other Denim.* Includes sport denims and all other denim not included above.

*Canton Flannel.* Fabric woven with a four-harness warp face twill with heavy, soft filling yarn, and a medium count warp. A long nap is raised on the back.

*Sateens.* Fabrics woven with a satin weave, whether or not napped, in which the surface of the cloth consists almost entirely of warp or filling floats; that is, in the repeat of a weave pattern, each yarn of one system passes over several yarns of the other system before interlacing.

*Oxfords.* Fabrics weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), whether or not napped, woven as plain weave except that two or more warp ends are woven as one (taped warp). Oxford cloth is not to be classified as a plain weave fabric.

*Duck.* Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), of average yarn number 15 or lower number, whether or not napped, of a plain weave where the warp or filling or both, consists of multiple (folded) or cabled yarns.

*Taped Warp Duck.* Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces (chiefly cotton fabric), of average yarn number 15 or lower number, whether or not napped, of a plain weave except that two or more warp ends are woven as one (tape warp) whether or not containing multiple (folded) or cabled yarns.

*Shirting, Jacquard or Dobby.* Fabrics weighing not more than 5 ounces per square (chiefly manmade fiber) or 5.9 ounces per square yard (chiefly cotton fiber) whether or not napped, woven wholly or in part with jacquard or dobby attachment.

*Table Damask.* Fabrics, whether or not napped, woven wholly or in part with jacquard or dobby attachment characterized by elaborate decorative designs, usually of floral patterns. The designs are reversible and are formed by warp-face satin weave. Table damask is generally all white, although it is sometimes made with colored stripes or in solid pastel shades.

*High Tenacity Yarn Fabric.* Fabric made from yarns having a tenacity, expressed in centinewtons per tex (cN/tex) greater than 60 cN/tex for multiple (folded) or cabled yarns of nylon or polyester; or 27 cN/tex for multiple (folded), cabled, or singles yarns of viscose rayon.



**Flat Filament Fabrics.** Fabrics containing filament yarns having less than twelve turns per inch.

## COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

The trade comparisons shown in this report should be considered only as approximations. Several problems prevent precise comparisons among imports, exports, and domestic output. These problems include the following:

- Export and import comparisons do not account for the origin of materials used to manufacture the finished product. Domestic output includes any goods that undergo substantial transformation into a finished product in the U.S., even if the goods are partially constructed abroad or are constructed of imported materials.
- There will be a lag between the time a producer makes or ships a product and the time it is actually exported. Similarly, there may be a lag between the time a product is imported and when it enters into U.S. distribution channels.
- The basic structure of these classification systems differ. The Standard Industrial Classification (SIC) system used for domestic output was developed independently of the Harmonized System (HS) used to classify imports and exports. The level of detail provided by the different systems varies substantially, reflecting their different objectives. For example, there are a number of imported commodities that have no comparable domestic output classification.
- Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of domestic output data for such commodities may contain some duplication.
- Import and export data reflect the movement of merchandise into and out of U.S. foreign trade zones, the U.S. Virgin Islands, and the U.S. customs territory of the 50 States, the District of Columbia, and Puerto Rico. Domestic output reflects activity in the 50 States and, only if specified, in Puerto Rico.
- Import and export data generally do not distinguish between new, used or rebuilt commodities.
- The valuation of the three data sets differ. Domestic output is valued at the point of production. It includes the net sales price, f.o.b. plant, after discounts and allowances, and excludes freight charge and excise taxes. Exports are valued at the point of exportation. It includes the net sales price or value, and inland freight, insurance and other charges to the export

point. Imports are valued at the first port of entry in the United States. They include the cost, insurance, freight, duty, and other charges to the import point.

- Detailed commodity information is not included for individual export or import shipments at or below a certain dollar limit. This dollar limit is \$2,500 for exports and \$1,500 for imports, except for import of textiles and textile products, gloves, footwear, and miscellaneous rubber and plastics products, where the limit is \$250.

## RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report summarizes quarterly figures and incorporates known revisions for both current and previous year. It also provides a single reference copy to replace the quarterly publications.

The Bureau of the Census also publishes the following related reports:

Series	Frequency	Title
<i>Current Industrial Reports</i>		
MQ22D	Quarterly	<i>Consumption on the Woolen System and Worsted Combing</i>
MQ22P	Quarterly	<i>Consumption on the Cotton System and Stocks</i>
MQ23X	Quarterly	<i>Sheets, Pillowcases, and Towels</i>
MA22F.1	Annually	<i>Textured Yarn Production</i>
MA22F.2	Annually	<i>Spun Yarn Production</i>
MA22K	Annually	<i>Knit Fabric Production</i>
MA22Q	Annually	<i>Carpet and Rugs</i>
MA22M	Biennially	<i>Stocks of Wool and Related Fibers</i>
MQ23A	Quarterly	<i>Apparel</i>
MA23D	Annually	<i>Gloves and Mittens</i>

### *Other Industry Reports*

M3-1	Monthly	<i>Manufacturers' Shipments, Inventories, and Orders</i>
(AS)	Annually	<i>Annual Survey of Manufacturers (ASM)</i>
(MC)	Quinquennially	<i>Census of Manufactures</i>

### *Foreign Trade Reports*

CD-ROM	Monthly/Annually	<i>U.S. Exports—Schedule B—Commodity by Country</i>
FT 447	Annually	

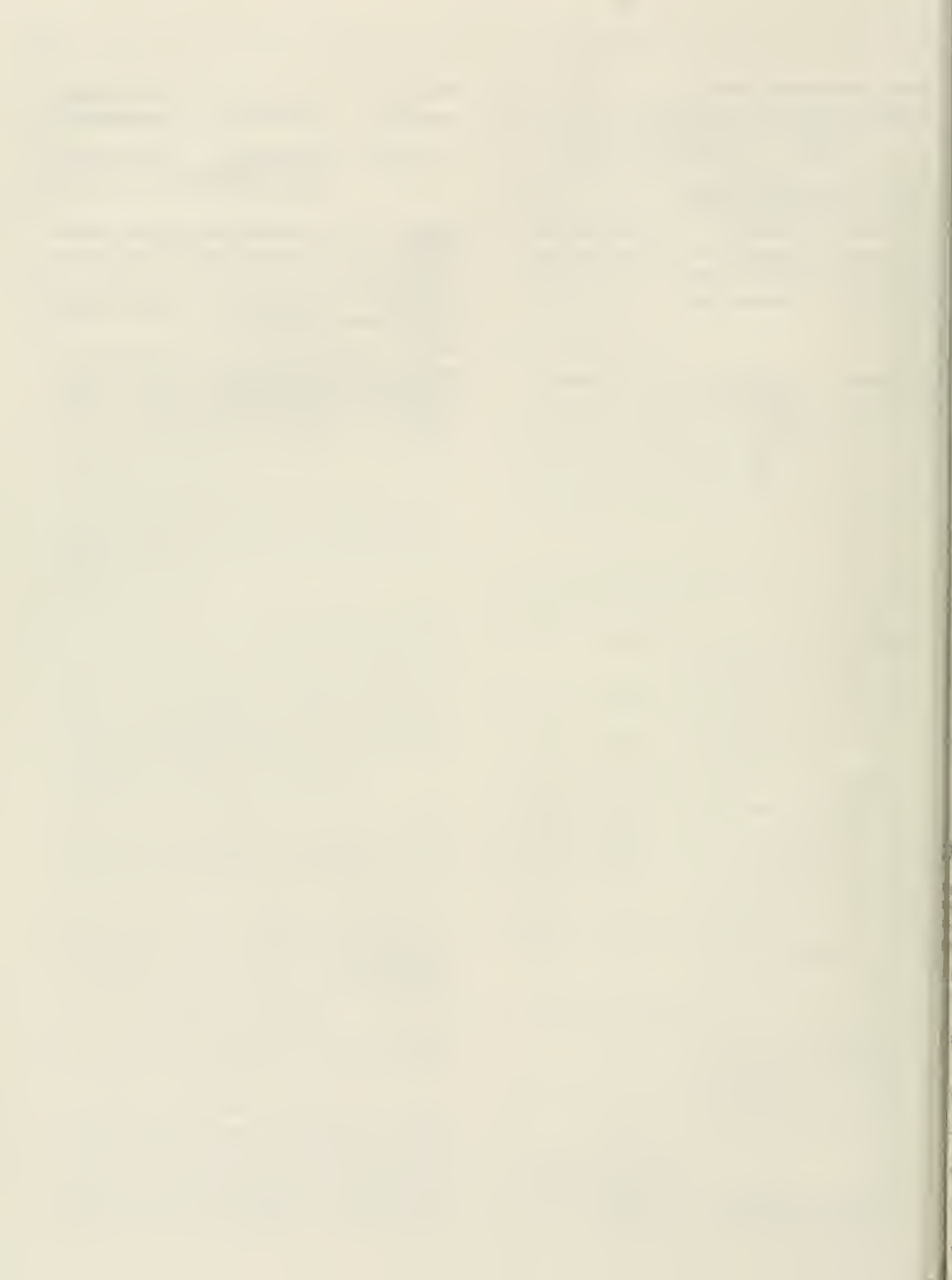


Series	Frequency	Title	Subject Area	Contact	Phone Number
CD-ROM	Monthly/ Annually	<i>U.S. Imports for Consumption—HTSUSA—</i>	Census/ASM	Ted McGrath	(301) 763-5152
FT 247	Annually	<i>Commodity by Country</i>	Foreign Trade	Trade Data Inquiries Staff (FTD)	(301) 763-5140

### CONTACTS FOR DATA USERS

Subject Area	Contact	Phone Number			
Current Industrial Report MQ22T	Keith Featherstone	(301) 763-2553	Office of Textiles and Apparel	James Bennett	(202) 377-4058
Manufacturers' Shipments, Inventories, and Orders	Kathleen Menth	(301) 763-2575	To order a Current Industrial Report	Superintendent of Documents (GP0)	(202) 783-3238
Classification Systems Comparability	Francis McCormick (ESD)	(301) 763-1935	To subscribe to a Census Bureau publication	Superintendent of Documents (GP0)	202) 275-3054







# 1987 Industry and Product Classification Manual

EC87-R-3



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# Broadwoven Fabrics (Gray)

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Current Industrial Report...

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MQ22T(91)-2  
Issued October 1991

U.S. Department of Commerce  
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BUREAU OF THE CENSUS

The statistics in this publication are based on a survey of manufactures and represent total U.S. production of broadwoven fabrics over 12 inches. Estimates are included for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information may be found in the first quarter 1991 report, MQ22T(91)-1, issued July 1991.

This report is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100.

Table 1. SUMMARY OF PRODUCTION OF BROADWOVEN GRAY FABRICS, BY TYPE OF FABRIC: 1986 TO 1991

(Millions of square yards)

Year	Chiefly cotton fabrics	Manmade fiber fabrics, including silk and manmade/wool blends	Chiefly wool fabric	Tire cord and tire cord fabrics
<b>1991</b>				
Second quarter .....	1,142.5	2,680.9	48.4	181.6
First quarter .....	1,072.6	2,543.4	38.1	179.8
<b>1990</b>				
Fourth quarter .....	1,048.0	2,700.2	31.4	177.8
Third quarter .....	1,087.3	2,585.9	32.6	172.5
Second quarter .....	1,126.6	2,664.2	38.7	183.3
First quarter .....	1,201.5	2,712.2	38.0	184.7
<b>1989</b>				
Fourth quarter .....	1,105.8	2,714.6	37.0	161.4
Third quarter .....	1,134.3	2,670.0	40.1	172.0
Second quarter .....	1,191.8	2,782.2	50.9	179.3
First quarter .....	1,157.2	2,796.0	48.3	175.7
<b>1988</b>				
Fourth quarter .....	1,052.3	2,847.7	43.9	168.9
Third quarter .....	1,072.2	2,735.6	43.0	169.5
Second quarter .....	1,255.0	2,877.6	53.0	157.7
First quarter .....	1,252.1	2,908.8	50.6	153.8
<b>1987</b>				
Fourth quarter .....	1,178.2	2,945.9	40.9	126.8
Third quarter .....	1,219.1	2,787.7	36.0	122.1
Second quarter .....	1,216.9	2,764.0	45.9	121.9
First quarter .....	1,158.0	2,736.7	46.0	124.5
<b>1986</b>				
Fourth quarter .....	1,129.3	2,785.4	30.2	116.0
Third quarter .....	1,095.2	2,561.5	27.8	105.9
Second quarter .....	1,102.6	2,659.8	41.2	108.8

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Keith Featherstone (301) 763-2553.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.



Table 2. SUMMARY OF PRODUCTION AND LOOM ASSIGNMENTS OF BROADWOVEN GRAY FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1991		First quarter 1991		Production, year-to-date (M sq. yards)
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)	
2211B 00	Cotton and chiefly cotton fabrics mixed mainly or solely with manmade fibers . . . . .	32,000	1,142,532	31,583	1,072,597	2,215,129
2211C 00	Plain weaves . . . . .	15,392	555,833	15,001	523,349	1,079,182
2211D 00	Twill weaves . . . . .	7,445	342,074	7,307	307,490	649,564
2211E 00	All other weaves except pile . . . . .	4,176	124,831	4,077	125,506	250,337
	Pile fabrics . . . . .	4,987	119,794	5,198	116,252	236,046
	Chiefly cotton fabrics mixed mainly or solely with other than manmade fibers . . . . .	(D)	(D)	(D)	(D)	(D)
	Manmade fiber and silk gray broadwoven fabrics . . . . .	61,278	2,680,881	62,466	2,543,435	5,224,316
2221B 00	85 percent or more filament rayon and/or acetate fabrics . . . . .	8,047	181,684	7,948	174,466	356,150
2221C 00	85 percent or more filament fabrics, except rayon and/or acetate . . . . .	15,991	1,190,493	16,265	1,115,856	2,306,349
	85 percent or more spun yarn fabrics, except wool blends . . . . .	28,157	944,710	29,826	924,597	1,869,307
2221D 00	Plain weave, except pile . . . . .	21,334	768,577	23,441	759,845	1,528,422
2221E 00	Twill weave, except pile . . . . .	4,027	116,432	3,670	108,359	224,791
2221F 00	All other weaves, except pile . . . . .	2,796	59,701	2,715	56,393	116,094
2221G 00	Spun/filament yarn combinations . . . . .	(D)	330,934	(D)	(D)	(D)
2221H 10	Pile fabrics . . . . .	717	13,247	705	10,695	23,942
2221H 2X	All other chiefly manmade fiber fabrics, including chiefly manmade fiber blends with wool . . . . .	(D)	19,588	(D)	(D)	(D)
2221H 01	Silk fabrics . . . . .	73	225	71	169	394
	Woolen and worsted fabrics . . . . .	2,228	48,368	2,063	38,089	86,457

(D) Data withheld to avoid disclosing figures for individual companies.

\*Revised by 5 percent or more from previously published figures.

Table 3. SUMMARY OF PRODUCTION OF BROADWOVEN FABRIC BY TEXTILE CATEGORY

(Thousands of square yards)

Product description	Production during quarter		Production year-to-date
	Second quarter 1991	First quarter 1991	
Blue denim . . . . .	182,863	168,926	351,789
All other yarn dyed fabric . . . . .	126,136	112,672	238,808
Plain weave . . . . .	24,117	24,720	48,837
Twill weave . . . . .	36,655	28,481	65,136
All other weave . . . . .	65,364	59,471	124,835
Cheesecloth and batistes . . . . .	315,212	281,554	596,766
Duck . . . . .	(D)	(D)	(D)
Oxfords . . . . .	24,306	22,334	46,640
Pile fabrics . . . . .	133,041	126,947	259,988
Special weave fabric . . . . .	80,841	82,916	163,757
Other fabrics, chiefly cotton fiber:			
Print cloth . . . . .	93,953	79,675	173,628
Poplin and broadcloth . . . . .	14,258	22,923	37,181
Sheeting . . . . .	151,226	151,615	302,841
Twills . . . . .	124,387	112,197	236,584
Sateens . . . . .	9,598	12,201	21,799
Other fabrics, chiefly manmade fiber:			
Manmade/wool blends . . . . .	(D)	(D)	(D)
85 percent or more filament yarn fabrics:			
Typewriter fabric . . . . .	26,996	22,108	49,104
Other nylon . . . . .	96,871	95,896	192,767
Rayon and acetate . . . . .	181,684	174,466	356,150
Polyester . . . . .	171,363	160,884	332,247
Glass fiber . . . . .	89,682	87,145	176,827
All other . . . . .	805,581	749,823	1,555,404
85 percent or more spun yarn fabrics:			
Print cloth . . . . .	188,274	190,654	378,928
Poplin and broadcloth . . . . .	146,428	155,285	301,713
Sheeting . . . . .	378,220	358,943	737,163
Twills and sateens . . . . .	120,727	113,220	233,947
Spun filament combinations except blue denim:			
Print cloth . . . . .	98,946	97,432	196,378
Poplin and broadcloth . . . . .	59,408	46,333	105,741
Sheeting . . . . .	41,785	38,278	80,063
Twills and sateens . . . . .	23,470	22,112	45,582
Other . . . . .	105,622	97,310	202,932
Wool fabrics . . . . .	48,368	38,089	86,457
Silk fabrics . . . . .	225	169	394

(D) Data withheld to avoid disclosing figures for individual companies.

\*Revised by 5 percent or more from previously published figures



**Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1991		First quarter 1991	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
2211B 02	Tobacco, cheese, and bandage cloth . . . . .	4,095	320,844	3,930	289,055
2221D 03	More than 50 percent cotton . . . . .	3,548	279,908	3,572	249,286
2221D 04	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
2221D 05	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
2211B 05	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
2221G 04	Spun-filament combinations . . . . .	(D)	(D)	(D)	(D)
2211B 05	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 04	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211B 12	Prnt cloth . . . . .	14,773	381,173	14,356	367,770
2221D 13	More than 50 percent cotton . . . . .	6,524	93,953	5,746	79,684
2221D 15	Chiefly spun polyester mixed with cotton . . . . .	4,831	146,602	5,257	148,548
2221D 16	Chiefly spun polyester mixed with rayon . . . . .	(D)	(D)	(D)	(D)
2221D 18	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
2211B 14	All other fabrics, 85 percent or more spun yarn . . . . .	483	15,213	441	14,806
2221G 07	Spun/filament combinations . . . . .	1,700	98,946	1,613	97,432
2211B 14	Chiefly cotton . . . . .	-	-	-	-
2221G 07	Chiefly manmade . . . . .	1,700	98,946	1,613	97,432
2211B 21	Poplin and broadcloth . . . . .	6,570	241,510	7,283	246,493
2221D 23	More than 50 percent cotton . . . . .	438	16,943	639	26,191
2221D 25	Weighing 5.9 ounces or less per square yard . . . . .	370	13,150	390	13,352
2211B 25	Carded . . . . .	113	4,248	124	4,859
2221D 30	Combed . . . . .	257	8,902	266	8,493
2211B 30	Weighing more than 5.9 ounces per square yard . . . . .	68	3,793	124	12,839
2221D 33	Chiefly spun polyester mixed with cotton . . . . .	4,134	138,632	4,322	142,292
2221D 34	Weighing 5.0 ounces or less per square yard . . . . .	3,916	127,126	4,166	134,536
2211B 35	Carded . . . . .	3,119	87,767	3,303	98,409
2221D 35	Combed . . . . .	797	39,359	863	36,127
2221D 37	Weighing more than 5.0 ounces per square yard . . . . .	218	11,506	156	7,756
2221D 31	Carded . . . . .	(D)	(D)	(D)	(D)
2221D 33	Combed . . . . .	(D)	(D)	(D)	(D)
2221D 34	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
2211B 35	All other fabrics, 85 percent or more spun yarn . . . . .	447	17,212	581	20,596
2221G 19	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211B 35	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 19	Chiefly manmade . . . . .	1,247	59,408	1,002	46,333
2211B 41	Lawns, voiles, and batistes . . . . .	177	3,195	299	4,485
2221D 41	More than 50 percent cotton . . . . .	(D)	(D)	(D)	(D)
2221D 44	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
2221D 42	Chiefly spun rayon and/or acetate . . . . .	-	-	-	-
2211B 43	All other fabrics, 85 percent or more spun yarn . . . . .	-	-	-	-
2221G 28	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211B 43	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 28	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211B 71	Duck, including taped warp duck . . . . .	699	14,705	883	19,199
2221D 89	More than 50 percent cotton . . . . .	359	7,133	537	11,002
2221D 91	Chiefly spun polyester mixed with cotton . . . . .	165	2,612	153	2,607
2211B 75	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
2221G 33	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211B 75	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 33	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211B 45	Bedsheeting . . . . .	11,388	442,653	12,072	398,357
2221D 43	More than 50 percent cotton . . . . .	2,782	89,672	2,619	70,612
2221D 45	Chiefly spun polyester mixed with cotton . . . . .	7,529	302,428	8,370	281,488
2221D 46	Carded . . . . .	1,580	87,761	1,904	82,666
2221D 47	Combed . . . . .	5,949	214,667	6,466	198,802
2211B 47	Chiefly spun rayon and/or acetate . . . . .	-	-	-	-
2221G 33	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
2211B 47	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2221G 33	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2211B 61	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211B 63	All other sheeting, including osnaburgs . . . . .	2,930	131,279	3,170	143,238
2221D 63	More than 50 percent cotton . . . . .	1,271	53,351	1,326	60,610
2221D 65	Weighing 5.9 ounces or less per square yard . . . . .	880	36,564	988	43,696
2211B 65	Weighing more than 5.9 ounces per square yard . . . . .	391	16,787	338	16,914
2221D 63	Blanketing . . . . .	234	10,988	188	10,123
2221D 65	All other fabric . . . . .	157	5,799	150	6,791
2221D 73	85 percent or more spun polyester . . . . .	147	4,935	152	4,296
2221D 75	Blanketing . . . . .	(D)	(D)	(D)	(D)
2221D 81	All other fabric . . . . .	(D)	(D)	(D)	(D)
2221D 83	Chiefly spun polyester mixed with cotton . . . . .	1,152	57,846	1,123	51,559
2221D 84	Weighing 5.0 ounces or less per square yard . . . . .	940	46,363	876	42,215
2221D 85	Weighing more than 5.0 ounces per square yard . . . . .	212	11,483	247	9,344
2221D 81	Chiefly spun acrylic . . . . .	147	7,091	133	7,821
2221D 83	Blanketing . . . . .	(D)	(D)	(D)	(D)
2221D 84	All other fabric . . . . .	(D)	(D)	(D)	(D)
2221D 85	Chiefly spun rayon and/or acetate . . . . .	-	-	-	-
2221D 85	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)

See footnotes at end of table.



**Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS—Continued**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1991		First quarter 1991	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	All other sheeting—Cont.				
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211B 67	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 45	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	Blue denim . . . . .	3,233	182,863	3,347	168,926
	More than 50 percent cotton . . . . .	3,141	176,702	3,203	161,456
2211C 01	Weighing 10.7 ounces or less per square yard . . . . .	383	19,553	391	19,324
2211C 03	Weighing more than 10.7 ounces per square yard . . . . .	2,758	157,149	2,812	142,132
2221E 03	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211G 05	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 46	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	All other denim . . . . .	861	45,100	707	38,220
	More than 50 percent cotton . . . . .	788	43,092	641	35,573
2211C 11	Weighing 10.7 ounces or less per square yard . . . . .	68	3,636	64	2,624
2211C 13	Weighing more than 10.7 ounces per square yard . . . . .	720	39,456	577	32,949
2221E 13	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
	Spun filament combinations . . . . .	(D)	(D)	(D)	(D)
2211C 15	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221C 18	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211C 21	Canton flannels . . . . .	408	6,253	444	5,445
	All other twill weaves . . . . .	7,393	241,233	6,951	219,623
	More than 50 percent cotton . . . . .	2,894	109,171	2,806	96,299
2211C 31	Weighing 5.9 ounces or less per square yards . . . . .	1,136	35,852	1,134	32,457
2211C 33	Weighing more than 5.9 ounces per square yard . . . . .	1,758	73,319	1,672	63,842
2221E 21	85 percent or more spun polyester . . . . .	138	5,633	149	4,796
	Chiefly spun polyester mixed with cotton . . . . .	2,264	84,733	2,220	81,596
2221E 23	Weighing 5.0 ounces or less per square yard . . . . .	525	11,837	514	10,261
2221E 25	Weighing more than 5.0 ounces per square yard . . . . .	1,739	72,896	1,706	71,335
2221E 26	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
2221E 27	All other fabrics, 85 percent or more spun yarn . . . . .	1,222	18,989	1,047	17,886
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211C 35	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221C 39	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	Sateens . . . . .	990	22,251	1,000	24,932
2211D 05	More than 50 percent cotton . . . . .	233	8,348	250	10,424
2221F 05	Chiefly spun polyester mixed with cotton . . . . .	139	3,152	127	3,043
2221F 06	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
2221F 07	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations . . . . .	542	9,480	536	9,522
2211D 07	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 05	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	Oxfords . . . . .	1,339	57,856	1,230	51,891
2211D 11	More than 50 percent cotton . . . . .	825	40,844	775	37,617
2221F 11	Chiefly spun polyester mixed with cotton . . . . .	118	5,066	110	4,770
2221F 17	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211D 13	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 68	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211D 31	Birdseye diaper cloth . . . . .	(D)	(D)	(D)	(D)
2211D 35	Huck and crash toweling . . . . .	(D)	(D)	(D)	(D)
	Table damask . . . . .	327	13,609	319	12,618
2211D 45	More than 50 percent cotton . . . . .	(D)	(D)	(D)	(D)
2221F 32	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
2221F 37	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
2221G 82	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211D 07	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 82	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	Jacquard and dobby shirting fabrics . . . . .	525	9,744	484	10,333
2211D 51	More than 50 percent cotton . . . . .	114	3,738	133	5,034
2221F 41	Chiefly spun polyester mixed with cotton . . . . .	176	2,063	167	1,074
2221F 43	All other fabric, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211D 53	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 84	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	All other weaves . . . . .	6,156	153,008	6,046	143,450
2211D 62	More than 50 percent cotton . . . . .	1,654	36,339	1,751	35,845
2211D 64	Weighing 5.9 ounces or less per square yard . . . . .	539	13,436	619	13,952
2221F 52	Weighing more than 5.9 ounces per square yard . . . . .	*1,115	*22,903	1,132	21,893
	85 percent or more spun polyester . . . . .	350	4,651	252	5,109
2221F 54	Chiefly spun polyester mixed with cotton . . . . .	671	7,956	677	7,669
2221F 56	Weighing 5.0 ounces or less per square yard . . . . .	224	3,868	246	4,369
2221F 58	Weighing more than 5.0 ounces per square yard . . . . .	447	4,088	431	3,300
	All other fabrics, 85 percent or more spun yarn . . . . .	683	15,607	755	14,087
2211D 66	Spun/filament combinations . . . . .	2,788	88,455	2,611	80,740
2221G 87	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report for this series, MQ22T(91)-1, issued July 1991, for a discussion of estimation of missing reports): \*10 to 25 percent of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies.

\*Revised by 5 percent or more from previously published figures.



Table 5. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE FILAMENT YARN FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1991		First quarter 1991	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	85 percent or more filament yarn fabrics .....	24,059	1,372,600	24,251	1,292,533
	High tenacity yarn fabrics .....	866	21,962	864	21,157
2221B 02	100 percent and chiefly rayon .....	(D)	(D)	(D)	(D)
2221C 02	100 percent and chiefly nylon .....	(D)	(D)	(D)	(D)
2221C 04	100 percent and chiefly polyester .....	163	7,549	159	6,491
2221C 07	85 percent more filament yarn fabric obtained from strip or the like except rayon and/or acetate .....	(D)	(D)	(D)	(D)
	85 percent or more filament rayon, acetate and/or triacetate filament yarn fabrics .....	4,875	136,215	<sup>1</sup> 5,324	134,880
	Weighing not more than 5 ounces per square yard. ....	3,883	113,046	4,303	114,151
2221B 11	Plain weave .....	2,529	74,932	2,609	64,273
2221B 13	Other weaves .....	1,354	38,114	1,694	49,878
	Weighing more than 5 ounces per square yard .....	992	23,169	<sup>1</sup> 1,021	<sup>1</sup> 20,729
2221B 15	Plain weave .....	(D)	(D)	(D)	(D)
2221B 17	Other weaves .....	(D)	(D)	(D)	(D)
	Other chiefly rayon and/or acetate filament yarn fabrics ..	2,688	41,043	<sup>1</sup> 2,139	<sup>1</sup> 35,154
2221B 32	Weighing not more than 5 ounces per square yard. ....	662	14,375	<sup>1</sup> 671	10,033
2221B 35	Weighing more than 5 ounces per square yard .....	2,026	26,668	<sup>1</sup> 1,468	<sup>1</sup> 25,121
	85 percent or more nylon filament yarn fabrics .....	3,179	111,090	3,226	104,540
2221C 11	Typewriter and other impression fabrics .....	790	26,996	703	22,108
	Other 85 percent or more nylon filament yarn fabrics ..	2,389	84,094	2,523	82,432
	Weighing not more than 5 ounces per square yard. ....	2,246	73,934	2,367	73,418
2221C 14	Flat, non-textured .....	1,983	64,867	2,133	65,582
2221C 16	All other .....	263	9,067	234	7,836
	Weighing more than 5 ounces per square yard .....	143	10,160	<sup>1</sup> 156	<sup>1</sup> 9,014
2221C 22	Flat, non-textured .....	<sup>a</sup> 23	958	<sup>1</sup> 43	<sup>1</sup> 1,493
2221C 24	All other .....	120	9,202	113	7,521
	Other chiefly nylon filament fabrics .....	251	2,790	303	3,241
2221C 32	Weighing not more than 5 ounces per square yard. ....	(D)	(D)	(D)	(D)
2221C 34	Weighing more than 5 ounces per square yard .....	(D)	(D)	(D)	(D)
	85 percent or more polyester filament yarn fabrics .....	5,616	160,516	5,579	151,851
	Textured .....	4,015	115,709	3,945	109,109
2221C 42	Weighing not more than 5 ounces per square yard <sup>1</sup> ..	2,067	59,762	2,086	54,813
2221C 44	Flat .....	(D)	(D)	(D)	(D)
2221C 45	Other .....	(D)	(D)	(D)	(D)
	Weighing more than 5 ounces per square yard <sup>1</sup> ....	1,948	55,947	1,859	54,296
	Non-textured .....	1,601	44,807	1,634	42,742
2221C 50	Weighing not more than 5 ounces per square yard <sup>1</sup> ..	864	24,159	951	23,349
2221C 55	Weighing more than 5 ounces per square yard <sup>1</sup> ....	737	20,648	683	19,393
2221C 62	Other chiefly polyester filament fabrics .....	206	3,298	<sup>1</sup> 206	2,542
	Glass fiber fabrics .....	2,559	89,682	2,634	87,145
2221C 72	Woven roving and screening .....	69	3,805	69	3,826
2221C 74	All other glass fiber fabrics .....	2,490	85,877	2,565	83,319
	All other 85 percent or more filament yarn fabrics, including saran and olefin .....	3,798	805,581	3,938	749,823
	Carpet backing .....	2,750	719,547	2,844	662,311
2221C 80	Woven synthetic (including olefin) .....	(D)	(D)	(D)	(D)
2221C 83	Jute and other backing .....	(D)	(D)	(D)	(D)
2221C 84	All other .....	1,048	86,034	1,094	87,512

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report in this series, MQ22T(91)-1, issued July 1991, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. <sup>1</sup>Revised by 5 percent or more from previously published figures.

<sup>1</sup>Classified on a finished weight basis.



**Table 6. PRODUCTION AND LOOM ASSIGNMENT OF PILE FABRICS (INCLUDES YARN DYED FABRIC)**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1991		First quarter 1991	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Pile fabrics .....	5,704	133,041	5,903	126,947
	Corduroy .....	856	15,485	1,001	16,757
	More than 50 percent cotton .....	(D)	(D)	(D)	(D)
2211E 01	Finewales and pinwales .....	439	6,386	486	6,919
2211E 03	Midwales .....	(D)	(D)	(D)	(D)
2211E 06	Widewales and other .....	269	4,735	341	6,580
2221H 01	Chiefly manmade fiber .....	(D)	(D)	(D)	(D)
	Velvets, plushes, and other pile fabrics .....	746	13,522	768	11,187
2211E 21	More than 50 percent cotton .....	(D)	(D)	(D)	(D)
2221H 11	Chiefly manmade fiber .....	(D)	(D)	(D)	(D)
	Terry cloth and terry toweling .....	4,102	104,034	4,134	99,003
2211E 32	Terry toweling .....	3,894	98,835	3,934	94,169
2211E 34	Terry cloth .....	208	*5,199	200	*4,834

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report in this series, MQ22T(91)-1, issued July 1991, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies.

**Table 7. PRODUCTION AND LOOM ASSIGNMENT OF WOOLEN AND WORSTED FABRICS, INCLUDING CHIEFLY MANMADE/WOOL BLENDS AND CHIEFLY COTTON/WOOL BLENDS**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1991		First quarter 1991	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Woolen and worsted fabrics, 36 percent or more wool (except felts <sup>1</sup> ) .....	2,228	48,368	2,063	38,089
	Apparel fabrics, including government orders .....	2,086	46,353	1,914	36,137
	Worsted fabrics .....	1,301	28,833	1,133	22,710
22312 01	Weighing not more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
22312 02	Weighing more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
	Woolen fabrics .....	785	17,520	781	13,427
22312 21	Weighing not more than 9 ounces per square yard .....	(D)	(D)	(D)	(D)
22312 23	Weighing more than 9 ounces per square yard .....	(D)	(D)	(D)	(D)
	Nonapparel fabrics, including government orders (except felts) ..	142	2,015	<sup>c</sup> 149	1,952
22312 62	Blanketing, including thermal .....	(D)	(D)	26	670
22312 61	Upholstery fabric .....	(D)	(D)	-	-
22312 85	All other fabrics .....	<sup>b</sup> 103	<sup>b</sup> 1,088	<sup>b</sup> 123	<sup>a</sup> <sup>c</sup> 1,282
22312 92	Woven felts (thousands of pounds) .....	156	1,524	160	1,612
	Chiefly manmade/wool blend and chiefly cotton/wool blend fabrics .....	(D)	(D)	(D)	(D)
	Chiefly spun polyester mixed mainly or solely with wool .....	(D)	(D)	(D)	(D)
2221H 21	Woolen .....	(D)	(D)	(D)	(D)
	Worsted .....	(D)	(D)	(D)	(D)
2221H 25	Weighing not more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
2221H 27	Weighing more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
2221H 32	All other chiefly spun fibers mixed mainly or solely with wool ..	(D)	(D)	(D)	(D)
	Chiefly filament polyester mixed mainly or solely with wool or spun polyester/wool blends (less than 36 percent wool) .....	(D)	(D)	(D)	(D)
2221H 51	Woolen .....	(D)	(D)	(D)	(D)
	Worsted .....	(D)	(D)	(D)	(D)
2221H 53	Weighing not more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
2221H 55	Weighing more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
2221H 63	All other chiefly filament yarn mixed mainly or solely with wool ..	(D)	(D)	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report in this series, MQ22T(91)-1, issued July 1991, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. <sup>c</sup>Revised by 5 percent or more from previously published figures.

<sup>1</sup>Includes fabrics 36 percent or more wool or reprocessed wool by weight. 1986 and prior years include fabrics 50 percent or more wool or reprocessed wool by weight.



**Table 8. PRODUCTION AND LOOM ASSIGNMENT OF UPHOLSTERY FABRICS**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1991		First quarter 1991	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Upholstery fabrics . . . . .	3,807	97,469	3,841	82,045
	85 percent or more spun yarn and spun filament combinations . .	3,129	80,753	3,118	67,915
	Pile woven . . . . .	730	18,242	741	15,954
2211E 41	All cotton and chiefly cotton . . . . .	86	896	98	890
2221H 41	All manmade and chiefly manmade . . . . .	642	17,346	643	15,064
	Flat woven . . . . .	2,399	62,511	2,377	51,961
2211X 01	All cotton and chiefly cotton . . . . .	799	23,621	789	18,921
	All manmade and chiefly manmade . . . . .	1,600	38,890	1,588	33,040
2221X 01	Olefin . . . . .	<sup>a</sup> 351	7,455	348	6,742
2221X 03	All other flat woven manmade fiber fabrics . . . . .	1,249	31,435	1,240	<sup>a</sup> 26,298
	85 percent or more filament yarn . . . . .	678	16,716	723	14,130
2221X 01	All polyester and chiefly polyester . . . . .	293	5,566	336	5,785
2221X 03	All nylon and chiefly nylon . . . . .	(D)	(D)	(D)	(D)
2221X 05	All olefin and chiefly olefin . . . . .	263	9,184	266	6,761
2221X 07	All other filament fiber fabrics . . . . .	(D)	(D)	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report in this series, MQ22T(91)-1, issued July 1991, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

These data are included in the data shown in tables 4, 5, and 6.

(D) Data withheld to avoid disclosing figures for individual companies.

**Table 9. PRODUCTION OF TIRE CORD AND TIRE CORD FABRICS**

(Thousands of pounds)

Product code	Product description	Production during quarter	
		Second quarter 1991	First quarter 1991
22960 00	Tire cord and tire cord fabrics . . . . .	181,630	179,799
22960 12	Cotton tire cord and tire cord fabrics . . . . .	-	-
22960 32	Rayon tire cord and tire cord fabrics . . . . .	576	855
22960 35	Nylon tire cord and tire cord fabrics . . . . .	39,233	42,339
22960 37	Polyester tire cord and tire cord fabrics . . . . .	43,838	43,214
22960 38	Glass tire cord and tire cord fabrics . . . . .	203	176
22960 45	Steel tire cord . . . . .	94,807	<sup>c</sup> 90,076
22960 49	All other tire cord and tire cord fabrics including chafer . . . . .	2,973	3,139

- Represents zero. <sup>c</sup>Revised by 5 percent or more from previously published figures.

**Table 10. LOOMS IN PLACE AND LOOM HOURS OPERATED IN BROADWOVEN FABRIC MILLS**

Product description	Second quarter 1991		First quarter 1991	
	Looms in place (number)	Thousands of loom hours operated	Looms in place (number)	Thousands of loom hours operated
Total . . . . .	101,757	173,445	104,161	168,101
Shuttle type looms . . . . .	36,448	58,268	38,177	58,563
Single shuttle cam looms . . . . .	24,900	40,943	25,768	40,806
Single shuttle dobby looms . . . . .	7,129	11,707	7,420	<sup>c</sup> 11,638
Multiple shuttle box or head motion looms . . . . .	2,540	3,372	2,561	3,558
Double shuttle pile and plush, and jacquard looms . . . . .	1,879	2,246	2,428	2,561
Shuttleless looms and weaving machines . . . . .	65,309	115,177	65,984	109,538
Single filling insertion capability . . . . .	38,246	71,447	38,900	68,746
Air jet looms . . . . .	15,239	28,834	15,638	28,151
Water jet looms . . . . .	5,974	10,688	<sup>a</sup> 5,997	9,579
Projectile looms . . . . .	12,205	23,267	12,278	22,791
Rapier looms . . . . .	4,828	8,658	4,987	8,225
Multiple filling insertion capability . . . . .	26,453	43,041	26,430	40,117
Air jet looms . . . . .	(D)	(D)	(D)	(D)
Water jet looms . . . . .	(D)	(D)	(D)	(D)
Projectile looms . . . . .	11,093	18,813	11,181	17,024
Rapier looms . . . . .	12,146	18,380	12,063	17,347
Pile and plush looms . . . . .	<sup>b</sup> 610	<sup>b</sup> 689	654	<sup>a</sup> 675

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report in this series, MQ22T(91)-1, issued July 1991, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. <sup>c</sup>Revised by 5 percent or more from previously published figures.



**Table 11. PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF BROADWOVEN FABRICS: SECOND QUARTER 1991**

(Quantity in thousands of square yards; value in thousands of dollars)

Product description	Manufac- turers' shipments <sup>1</sup> (quantity)	Imports for consumption <sup>2</sup>		Percent imports to manufac- turers' shipments (quantity)	Exports of domestic merchandise <sup>4</sup>		Percent exports to manufac- turers' shipments (quantity)	Apparent consump- tion <sup>5</sup>				
		Quantity	Value <sup>3</sup>		Quantity	Value						
Cotton fabrics <sup>6</sup> . . . . .	1,142,532	361,840	353,631	31.7	(NA)	(NA)	(NA)	(NA)				
Cheesecloth and batistes . . . . .	(D)	7,839	5,560	(D)	9,383	14,752	(D)	(D)				
Print cloth . . . . .	93,953	79,156	47,022	84.3	934	1,695	1.0	172,175				
Poplin and broadcloth . . . . .	14,258	49,273	39,062	345.6	6,121	10,970	42.9	57,410				
Weighing 5.9 ounces or less per square yard . . . . .	11,438	48,941	38,049	427.9	2,365	5,057	20.7	58,014				
Weighing more than 5.9 ounces per square yard . . . . .	2,820	333	1,013	11.8	3,757	5,913	(NA)	(NA)				
Duck, including tape warp . . . . .	(D)	18,834	18,783	(D)	2,956	6,859	(D)	(D)				
Sheeting . . . . .	151,226	95,630	69,863	63.2	3,550	7,769	2.3	243,305				
Twills and sateens . . . . .	133,985	62,702	75,905	46.8	3,284	6,967	2.5	193,402				
Oxfords . . . . .	13,878	1,583	3,723	11.4	(NA)	(NA)	(NA)	(NA)				
All other constructions . . . . .	57,370	14,283	17,092	24.9	(NA)	(NA)	(Z)	71,653				
Blue Denim . . . . .	181,160	12,284	25,090	6.8	15,085	35,331	8.3	178,359				
Yarn dyed fabric . . . . .	88,568	17,352	41,026	19.6	7,952	13,718	9.0	97,968				
Pile fabrics, including yarn dyed . . . . .	119,794	2,905	10,505	2.4	2,691	8,261	2.2	120,008				
Manmade fiber fabrics . . . . .	2,680,881	165,132	357,212	6.2	72,273	163,637	2.7	2,773,741				
85 percent or more filament yarn fabrics . .	1,372,177	75,810	135,814	5.5	43,266	90,178	3.2	1,404,721				
Nylon and polyester high tenacity fabric .	17,536	2,411	5,862	13.8	11,321	24,271	64.6	8,626				
Rayon high tenacity fabric . . . . .	4,426	133	238	3.0	1,053	2,422	23.8	3,506				
Typewriter fabric . . . . .	26,996	-	30	(Z)	(NA)	(NA)	(NA)	(NA)				
Rayon or acetate filament yarn fabrics . .	177,258	4,381	9,130	2.5	2,607	6,394	1.5	179,032				
Polyester filament yarn fabric . . . . .	163,814	55,122	100,941	33.6	14,921	24,174	9.1	204,015				
Glass fiber fabric . . . . .	89,682	5,065	7,566	5.6	(NA)	(NA)	(NA)	(NA)				
Nylon filament yarn fabric . . . . .	86,884	8,033	10,134	9.2	4,750	13,143	5.5	90,167				
All other filament yarn fabric . . . . .	805,581	665	1,913	(Z)	8,614	19,774	1.1	797,632				
85 percent or more spun yarn fabric . . . . .	957,957	53,400	76,884	5.6	19,253	43,009	2.0	992,103				
Cheesecloth and batistes . . . . .	34,290	1,097	1,125	3.2	18,011	35,780	(NA)	(NA)				
Poplin broadcloth . . . . .	146,428	17,074	12,640	11.7								
Polyester/cotton . . . . .	123,642	15,353	10,717	12.4								
Weighing 5.0 ounces or less per square yard . . . . .	112,296	15,142	10,278	13.5								
Weighing more than 5.0 ounces per square yard . . . . .	11,346	211	439	1.9								
All other spun yarns . . . . .	22,786	1,721	1,923	7.6								
Print cloth . . . . .	188,274	8,036	5,576	4.3								
Polyester/cotton . . . . .	146,602	6,862	3,566	4.7								
All other spun yarns . . . . .	41,672	1,174	2,010	2.8								
Duck . . . . .	(D)	47	290	(D)								
Sheeting . . . . .	378,220	3,681	3,886	1.0								
Polyester/cotton . . . . .	(D)	765	609	(D)								
Weighing 5.0 ounces or less per square yard . . . . .	(D)	765	609	(D)								
Weighing more than 5.0 ounces per square yard . . . . .	(D)											
All other spun yarn . . . . .	(D)	2,916	3,277	(D)								
Sateens or twills . . . . .	120,727	11,333	13,977	9.4								
Oxford . . . . .	10,428	2	24	(Z)								
All other spun manmade fiber fabrics . . .	23,471	2,329	7,020	9.9								
Yarn dyed fabric . . . . .	37,568	8,453	24,821	22.5								
Pile fabrics . . . . .	13,247	1,349	7,525	10.2								
Spun/filament yarn combinations, including yarn dyed . . . . .	(D)	23,203	48,741	(D)	9,440	27,950	(D)	(D)				
Chiefly manmade/wool blends . . . . .	(D)	6,874	23,778	(D)	(NA)	(NA)	(NA)	(NA)				
Silk fabrics . . . . .	225	5,845	71,995	2,597.9	314	2,500	139.4	5,757				
Wool fabrics . . . . .	48,368	6,673	75,305	13.8	1,686	9,107	3.5	53,355				
Chiefly cotton fabrics blended with wool and other vegetable fibers and other vegetable fiber fabrics . . . . .	(D)	38	294	(D)	(NA)	(NA)	(D)	(D)				

Note: Fabric blends as shown in Current Industrial Reports Series MQ22T are reported based on the chief weight of the fiber whereas fabric blends as shown for imports and exports are based on the chief value of the fiber.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. (NA) Not available. (Z) Less than one half of one percent.

<sup>1</sup>Represents production of gray broadwoven fabrics; import and export data represent gray as well as finished broadwoven fabrics. For a comparison of Standard Industrial Classification (SIC) based product codes with Schedule B export numbers and HTSUSA import numbers, see table 12. <sup>2</sup>Source: Bureau of the Census Report IM 145, *U.S. Imports for Consumption*. <sup>3</sup>Source: Bureau of the Census Report EM 545, *U.S. Exports*. <sup>4</sup>This dollar value represents the c.i.f. (cost, insurance, and freight) at the first port of entry in the United States plus calculated import duty. <sup>5</sup>Apparent consumption represents new domestic supply and is derived by subtracting exports from the total manufacturers' shipments plus imports. <sup>6</sup>Includes all cotton and chiefly cotton mixed with manmade fiber.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2211B 02 2211B 41	Cotton cheesecloth and batistes .....	5208.11.2090, 5208.11.4090 5208.11.6000, 5208.11.8090 5208.12.4090, 5208.12.6090 5208.12.8090, 5208.21.2090 5208.21.4090, 5208.21.6090 5208.22.4090, 5208.22.6090 5208.22.8090, 5208.31.4090 5208.31.6090, 5208.31.8090 5208.32.3090, 5208.32.4090 5208.32.5090, 5208.51.4090 5208.51.6090, 5208.51.8090 5208.52.3090, 5208.52.4090 5208.52.5090, 5210.11.4090 5210.11.6090, 5210.11.8090 5210.21.4090, 5210.21.6090 5210.21.8090, 5210.31.4090 5210.31.6090, 5210.31.8090 5210.51.4090, 5210.51.6090 5210.51.8090, 5211.51.0090	5208.11.2090, 5208.11.4090 5208.11.9000, 5208.12.4090 5208.12.6090, 5208.12.8090 5208.21.2090, 5208.21.4090 5208.21.6090, 5208.22.4090 5208.22.6090, 5208.22.8090 5208.31.4090, 5208.31.6090 5208.31.8090, 5208.32.3090 5208.32.4090, 5208.32.5090 5208.51.4090, 5208.51.6090 5208.51.8090, 5208.52.3090 5208.52.4090, 5208.52.5090 5210.11.4090, 5210.11.6090 5210.11.8090, 5210.21.4090 5210.21.6090, 5210.21.8090 5210.31.4090, 5210.31.6090 5210.31.8090, 5210.51.4090 5210.51.6090, 5210.51.8090 5211.11.0090, 5211.21.0090 5211.31.0090, 5211.41.0090 5211.51.0090
2211B 12	Cotton print cloth .....	5208.11.4060, 5208.12.6060 5208.21.4060, 5208.22.6060 5208.31.6060, 5208.32.4060 5208.51.6060, 5208.52.4060 5210.11.6060, 5210.21.6060 5210.31.6060, 5210.51.6060	5208.11.4060, 5208.12.6060 5208.21.4060, 5208.22.6060 5208.31.6060, 5208.32.4060 5208.51.6060, 5208.52.4060 5210.11.6060, 5210.21.6060 5210.31.6060, 5210.51.6060
2211B 21 2211B 25	Cotton poplin and broadcloth (5.9 ounces or less per square yard) .....	5208.11.2020, 5208.11.4020 5208.11.8020, 5208.12.4020 5208.12.6020, 5208.12.8020 5208.21.2020, 5208.21.4020 5208.21.6020, 5208.22.4020 5208.22.6020, 5208.22.8020 5208.31.4020, 5208.31.6020 5208.31.8020, 5208.32.3020 5208.32.4020, 5208.32.5020 5208.51.4020, 5208.51.6020 5208.51.8020, 5208.52.3020 5208.52.4020, 5208.52.5020 5210.11.4020, 5210.11.6020 5210.11.8020, 5210.21.4020 5210.21.6020, 5208.21.8020 5210.31.4020, 5210.31.6020 5210.31.8020, 5210.51.4020 5210.51.6020, 5210.51.8020	5208.11.2020, 5208.11.4020 5208.11.8020, 5208.12.4020 5208.12.6020, 5208.12.8020 5208.21.2020, 5208.21.4020 5208.21.6020, 5208.22.4020 5208.22.6020, 5208.22.8020 5208.31.4020, 5208.31.6020 5208.31.8020, 5208.32.3020 5208.32.4020, 5208.32.5020 5208.51.4020, 5208.51.6020 5208.51.8020, 5208.52.3020 5208.52.4020, 5208.52.5020 5210.11.4020, 5210.11.6020 5210.11.8020, 5210.21.4020 5210.21.6020, 5208.21.8020 5210.31.4020, 5210.31.6020 5210.31.8020, 5210.51.4020 5210.51.6020, 5210.51.8020
2211B 30	Cotton poplin and broadcloth (more than 5.9 ounces per square yard) .....	5209.11.0020, 5209.21.0020 5209.31.6020, 5209.51.6020 5211.11.0020, 5211.21.0020 5211.31.0020, 5211.51.0020	5209.11.0020, 5209.21.0020 5209.31.6020, 5209.51.6020 5211.11.0020, 5211.21.0020 5211.31.0020, 5211.51.0020
2211B 71	Duck .....	5209.11.0090, 5209.19.0060 5209.21.0090, 5209.29.0060 5209.31.6090, 5209.39.0060 5209.51.6090, 5209.59.0060 5211.11.0090, 5211.19.0060 5211.21.0090, 5211.29.0060 5211.31.0090, 5211.39.0060 5211.51.0090, 5216.59.0060	5209.11.0090, 5209.21.0090 5209.31.6090, 5209.51.6090 5211.11.0090, 5211.21.0090 5211.31.0090, 5211.51.0090
2211B 45 2211B 61 2211B 63 2211B 65	Sheeting .....	5208.11.2040, 5208.11.4040 5208.12.4040, 5208.12.6040 5208.21.2040, 5208.21.4040 5208.22.4040, 5208.22.6040 5208.31.4040, 5208.31.6040 5208.32.3040, 5208.32.4040 5208.51.4040, 5208.51.6040 5208.52.3040, 5208.52.4040 5209.11.0030, 5209.11.0050 5209.21.0030, 5209.21.0050 5209.31.6030, 5209.31.6050 5209.51.6030, 5209.51.6050 5210.11.4040, 5210.11.6040 5210.21.4040, 5210.21.6040 5210.31.4040, 5210.31.6040 5210.51.4040, 5210.51.6040 5211.11.0030, 5211.11.0050 5211.21.0030, 5211.21.0050 5211.31.0030, 5211.31.0050 5211.51.0030, 5211.51.0050	5208.11.2040, 5208.11.4040 5208.12.4040, 5208.12.6040 5208.21.2040, 5208.21.4040 5208.22.4040, 5208.22.6040 5208.31.4040, 5208.31.6040 5208.32.3040, 5208.32.4040 5208.51.4040, 5208.51.6040 5208.52.3040, 5208.52.4040 5209.11.0040, 5209.21.0040 5209.31.6040, 5209.51.6040 5210.11.4040, 5210.11.6040 5210.21.4040, 5210.21.6040 5210.31.4040, 5210.31.6040 5210.51.4040, 5210.51.6040 5211.11.0040, 5211.21.0040 5211.31.0040, 5211.51.0040

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2211C 11 2211C 13 2211C 31 2211C 33 2211D 05	Twills and sateens .....	5208.13.0000, 5208.19.2020 5208.19.2090, 5208.23.0000 5208.29.2020, 5208.29.2090 5208.33.0000, 5208.39.2020 5208.39.2090, 5208.53.0000 5208.59.2020, 5208.59.2090 5209.12.0020, 5209.12.0040 5209.19.0020, 5209.19.0040 5209.22.0020, 5209.22.0040 5209.29.0020, 5209.29.0040 5209.32.0020, 5209.32.0040 5209.39.0020, 5209.39.0040 5209.52.0020, 5209.52.0040 5209.59.0020, 5209.59.0040 5210.12.0000, 5210.19.2020 5210.19.2090, 5210.22.0000 5210.29.2020, 5210.29.2090 5210.32.0000, 5210.39.2020 5210.39.2090, 5210.52.0000 5210.59.2020, 5210.59.2090 5211.12.0020, 5211.12.0040 5211.19.0020, 5211.19.0040 5211.22.0020, 5211.22.0040 5211.29.0020, 5211.29.0040 5211.32.0020, 5211.32.0040 5211.39.0020, 5211.39.0040 5211.52.0020, 5211.52.0040 5211.59.0020, 5211.59.0040	5208.13.0000, 5208.19.2000 5208.23.0000, 5208.29.2000 5208.33.0000, 5208.39.2000 5208.53.0000, 5208.59.2000 5209.12.0000, 5209.19.0030 5209.22.0000, 5209.29.0030 5209.32.0000, 5209.39.0030 5209.52.0000, 5209.59.0030 5210.12.0000, 5210.19.2000 5210.22.0000, 5210.29.2000 5210.32.0000, 5210.39.2000 5210.52.0000, 5210.59.2000 5211.12.0000, 5211.19.0030 5211.22.0000, 5211.29.0030 5211.32.0000, 5211.39.0030 5211.52.0000, 5211.59.0030
2211C 01 2211C 03	Blue denim .....	5209.42.0020, 5211.42.0020 5209.42.0040, 5211.42.0040	5209.42.0020, 5211.42.0020 5209.42.0020, 5211.42.0040
2211E 00	Pile fabrics (including yarn dyed) .....	5801.21.0000, 5801.26.0020 5802.11.0000, 5802.11.0000	5801.21.0000-5801.26.0000 5802.11.0000-5802.30.9000
2211X XX	Cotton yarn dyed .....	5208.41.4000-5208.41.8000 5208.42.3000-5208.42.5000 5208.43.0000-5208.49.8090 5209.41.6020-5209.41.6040 5209.43.0020-5209.49.0090 5210.41.4000-5210.49.8090 5211.41.0020-5211.41.0040 5211.43.0020-5211.49.0090	5208.41.9000, 5208.42.9000 5208.43.0000, 5208.49.2000 5208.49.9000, 5209.41.6070 5209.43.0000, 5209.49.0000 5210.41.0000-5210.49.9000 5211.41.0000, 5211.43.0000 5211.49.0000
2211D 11	Oxfords .....	5208.19.4020, 5208.19.6020 5208.19.8020, 5208.29.4020 5208.29.6020, 5208.29.8020 5208.39.4020, 5208.39.6020 5208.39.8020, 5208.59.4020 5208.59.6020, 5208.59.8020 5210.19.4020, 5210.19.6020 5210.19.8020, 5210.29.4020 5210.29.6020, 5210.29.8020 5210.39.4020, 5210.39.6020 5210.39.8020, 5210.59.4020 5210.59.6020, 5210.59.8020 5208.39.9000, 5208.59.9000	5208.19.9000, 5208.29.9000 5209.19.0070, 5209.29.0070 5209.39.0070, 5209.59.0070 5210.19.9000, 5210.29.9000 5210.39.9000, 5210.59.9000 5211.19.0070, 5211.29.0070 5211.39.0070, 5211.59.0070
2211D 31 2211D 35 2211D 45 2211D 51 2211D 62 2211D 64	All other constructions .....	5208.19.4090, 5208.19.6090 5208.19.8090, 5208.29.4090 5208.29.6090, 5208.29.8090 5208.39.4090, 5208.39.6090 5208.39.8090, 5208.59.4090 5208.59.6090, 5208.59.8090 5209.19.0090, 5209.29.0090 5209.39.0080, 5209.39.0090 5209.59.0090, 5210.19.4090 5210.19.6090, 5210.19.8090 5210.29.4090, 5210.29.6090 5210.29.8090, 5210.39.4090 5210.39.6090, 5210.39.8090 5210.59.4090, 5210.59.6090 5210.59.8090, 5211.19.0090 5211.29.0090, 5211.39.0090 5211.59.0090	5208.19.9000, 5208.29.9000 5209.19.0070, 5209.29.0070 5209.39.0070, 5209.59.0070 5210.19.9000, 5210.29.9000 5210.39.9000, 5210.59.9000 5211.19.0070, 5211.29.0070 5211.39.0070, 5211.59.0070

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221C 02 2221C 04	Nylon and polyester high tenacity fabrics .....	5407.10.0010, 5407.10.0090	5407.10.0000
2221B 02	Rayon high tenacity fabrics .....	5408.10.0000	5408.10.0000
2221C 11	Typewriter fabrics .....	5407.41.0010, 5407.41.0020	
2221C 14 2221C 16 2221C 22 2221C 24 2221C 32 2221C 34	Other nylon filament fabrics .....	5407.41.0030-5407.44.0060	5407.41.0000-5407.44.0000
2221B 11 2221B 13 2221B 15 2221B 17 2221B 32 2221B 34	Rayon and acetate filament yarn fabrics .....	5408.21.0030-5408.24.0060	5408.21.0000-5408.24.0000
2221C 42 2221C 44 2221C 45 2221C 50 2221C 55 2221C 62	Polyester filament yarn fabric .....	5407.51.0020, 5407.51.0040 5407.51.0060, 5407.52.2020 5407.52.2040, 5407.52.2060 5407.53.2020, 5407.53.2040 5407.53.2060, 5407.54.0020 5407.54.0040, 5407.54.0060 5407.60.2005, 5407.60.2010 5407.60.2015, 5407.60.2025 5407.60.2030, 5407.60.2035 5407.60.2045, 5407.60.2050 5407.60.2055, 5407.60.2065 5407.60.2070, 5407.60.2075	5407.51.0000, 5407.52.0000 5407.53.0000, 5407.54.0000
2221C 72 2221C 74	Glass fiber fabrics .....	7019.20.2000, 7019.20.5000	7019.20.4000
2221C 80 2221C 83 2221C 84	All other filament yarn fabrics .....	5407.71.0030-5407.74.0060	5407.71.0000-5407.74.0000
2221D 03 2221D 04 2221D 08 2221D 43 2221D 44 2221G 04 2221D 41	Chiefly manmade fiber cheesecloth, lawns, and bastistes .....	5512.11.0040, 5512.19.0035 5512.21.0040, 5512.29.0030 5512.91.0040, 5512.99.0030 5513.11.0090, 5513.19.0040 5513.21.0090, 5513.29.0040 5513.41.0090, 5513.49.0040 5515.11.0030, 5515.19.0030 5515.29.0030, 5515.99.0030 5516.41.0040, 5516.42.0040 5516.44.0040, 5516.91.0040 5516.92.0040, 5516.94.0040	
2221D 23 2221D 25	Poplin and broadcloth poly/cotton (5.0 ounces or less per square yard) .....	5513.11.0020, 5513.21.0020 5513.41.0020	
2221D 27 2221D 31	Poplin and broadcloth poly/cotton (over 5.0 ounces per square yard) .....	5514.11.0020, 5514.21.0020 5514.41.0020	
2211D 34	Poplin and broadcloth, all other spun yarn .....	5512.11.0010, 5512.19.0015 5512.21.0010, 5512.29.0015 5512.91.0010, 5512.99.0015 5513.19.0010, 5513.29.0010 5513.49.0010, 5514.19.0010 5514.29.0010, 5514.49.0010 5515.11.0015, 5515.19.0015 5515.29.0015, 5515.99.0015 5516.41.0010, 5516.42.0010 5516.44.0010, 5516.91.0010 5516.92.0010, 5516.94.0010	
2221D 13	Poly/cotton print cloth .....	5513.11.0060, 5513.21.0060 5513.41.0060	

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221D 16 2221D 18 2221D 15 }	Other spun yarn, chiefly manmade fiber print cloth .....	5512.11.0030, 5512.19.0030 5512.21.0030, 5512.29.0025  5512.91.0030, 5512.99.0025 5513.19.0030, 5513.29.0030 5513.49.0030, 5515.11.0025 5515.19.0025, 5515.29.0025 5515.99.0025, 5516.41.0030 5516.42.0030, 5516.44.0030 5516.91.0030, 5516.92.0030 5516.94.0030	
2221D 89 2221D 91 }	Duck .....	5512.11.0050, 5512.19.0040 5512.21.0050, 5512.29.0035 5512.91.0050, 5512.99.0035 5514.11.0090, 5514.13.0040 5514.19.0030, 5514.21.0090 5514.23.0040, 5514.29.0030 5514.41.0090, 5514.43.0040 5514.49.0030, 5515.11.0035 5515.19.0035, 5515.29.0035 5515.99.0035, 5516.41.0050 5516.42.0050, 5516.44.0050 5516.91.0050, 5516.92.0050 5516.94.0050	
2221D 43 2221D 45 2221D 73 2221D 75 }	Poly-cotton sheeting .....	5513.11.0040, 5513.21.0040 5513.41.0040, 5514.11.0030 5514.11.0050, 5514.21.0030 5514.21.0050, 5514.41.0030 5514.41.0050	
2221D 46 2221D 63 2221D 65 2221D 81 2221D 83 2221D 84 }	Other manmade fiber spun yarn sheeting .....	5512.11.0022, 5512.11.0027 5512.19.0022, 5512.19.0027 5512.21.0020, 5512.29.0020 5512.91.0020, 5512.99.0020 5513.19.0020, 5513.29.0020 5513.49.0020, 5514.19.0020 5514.29.0020, 5514.49.0020 5515.11.0020, 5515.19.0020 5515.29.0020, 5512.99.0020 5516.41.0022, 5516.41.0027 5516.42.0022, 5516.42.0027 5516.44.0022, 5516.44.0027 5516.91.0020, 5516.92.0020 5516.94.0020	5512.11.0000-5514.49.0000 5515.11.0000, 5515.19.0000 5515.29.0000, 5515.99.0000 5516.41.0000-5516.94.0000
2221E 03 2221G 46 }	Manmade fiber blue denim .....	5512.19.0010, 5512.29.0010 5512.99.0010, 5514.32.0010 5514.39.0010, 5515.11.0010 5515.19.0010, 5515.29.0010 5515.99.0010, 5516.43.0010 5516.93.0010	
2221E 21 2221E 23 2221E 25 2221E 26 2221E 28 2221F 05 2221F 06 2221F 07 }	Twills and sateens .....	5512.11.0060, 5512.19.0045 5512.21.0060, 5512.29.0040 5512.91.0060, 5512.99.0040 5513.12.0000, 5513.13.0020 5513.19.0050, 5513.22.0000 5513.23.0020, 5513.29.0050 5513.42.0000, 5513.43.0020 5513.49.0050, 5514.12.0020 5514.12.0040, 5514.13.0020 5514.19.0040, 5514.22.0020 5514.22.0040, 5514.23.0020 5514.29.0040, 5514.42.0020 5514.42.0040, 5514.43.0020 5514.49.0040, 5515.11.0040 5515.19.0040, 5515.29.0040 5515.99.0040, 5516.11.0020 5516.12.0020, 5516.14.0020 5516.41.0060, 5516.42.0060 5516.44.0060, 5516.91.0060 5516.92.0060, 5516.94.0060	

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221F 11 2221F 17	Oxfords.....	5512.11.0070, 5512.19.0050 5512.21.0070, 5512.29.0045 5512.91.0070, 5512.99.0045 5513.13.0040, 5513.19.0060 5513.23.0040, 5513.29.0060 5513.43.0040, 5513.49.0060 5515.11.0045, 5515.19.0045 5515.29.0045, 5515.99.0045 5516.41.0070, 5516.42.0070 5516.44.0070, 5516.91.0070 5516.92.0070, 5516.94.0070	
2221X XX	Manmade fiber yarn dyed .....	5512.19.0005, 5512.29.0005 5512.99.0005, 5513.31.0000-5513.39.0090 5514.31.0000, 5514.32.0090 5514.33.0010, 5514.33.0090 5514.39.0020, 5514.39.0090 5515.11.0005, 5515.19.0005 5515.29.0005, 5515.99.0005 5516.13.0000, 5516.43.0020-5516.43.0090 5516.93.0020, 5516.93.0090	
2221F 32 2221F 37 2221F 41 2221F 43 2221F 52 2221F 54 2221F 56 2221F 58	All other manmade fiber spun yarn .....	5512.11.0090, 5512.19.0090 5512.21.0090, 5512.29.0090 5512.91.0090, 5512.99.0090 5513.13.0090, 5513.19.0090 5513.23.0090, 5513.29.0090 5513.43.0090, 5513.49.0090 5514.13.0090, 5514.19.0090 5514.23.0090, 5514.29.0090 5514.43.0090, 5514.49.0090 5515.11.0090, 5515.19.0090 5515.29.0090, 5515.99.0090 5516.41.0090, 5516.42.0090 5516.44.0090, 5516.91.0090 5516.92.0090, 5516.94.0090	
2221H 21 2221H 25 2221H 27 2221H 51 2221H 53 2221H 55 2221H 32 2221H 63	Manmade/wool blends, chiefly manmade .....	5407.91.1000, 5407.92.1000 5407.93.1000, 5407.94.1000 5408.31.1000, 5408.32.1000 5408.33.1000, 5408.34.1000 5515.13.0000, 5515.13.1000 5515.22.0000, 5515.22.1000 5515.92.0000, 5515.92.1000 5516.31.0000-5516.34.1000	
2221G 04 2221G 07 2221G 19 2221G 18 2221B 77 2221G 33 2221G 45 2221G 46 2221G 18 2221G 39 2221G 05 2221G 68 2221G 82 2221G 84 2221G 87	Spun/filament combinations.....	5407.81.0010-5407.84.0090 5407.91.2020-5407.91.2090 5407.92.2020-5407.92.2090 5407.93.2020-5407.93.2090 5407.94.2020-5407.94.2090 5408.31.2020-5408.31.2090 5408.32.9020-5408.32.9090 5408.33.9020-5408.33.9090 5408.34.9020-5408.34.9090 5515.12.0010-5515.12.0090 5515.91.0010-5515.91.0090 5516.21.0010-5516.24.0090	5407.81.0000-5407.94.0000 5408.31.0000-5408.34.0000 5515.12.0000, 5515.21.0000 5515.91.000, 5516.21.0000-5516.24.0000
221H 01 221H 11	Manmade fiber pile.....	5801.31.0000-5801.36.0000 5802.20.0020, 5802.30.0030	5801.31.0000-5801.36.0000 5802.20.0000, 5802.30.0000
221H 31	Silk fabrics .....	5007.10.3020-5007.90.6090	5007.10.0000-5007.90.0000

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
22312 01 22312 02 22312 21 22312 23 22312 62 22312 61 22312 85 22312 92	Wool fabrics .....	5111.11.6000-5112.90.6090 5212.11.1010, 5212.11.1020 5212.12.1010, 5212.12.1020 5212.13.1010, 5212.13.1020 5212.14.1010, 5212.14.1020 5212.15.1010, 5212.15.1020 5212.21.1010, 5212.21.1020 5212.22.1010, 5212.22.1020 5212.23.1010, 5212.23.1020 5212.24.1010, 5212.24.1020 5212.25.1010, 5212.25.1020 5407.91.0510, 5407.91.0520 5407.92.0510, 5407.92.0520 5407.93.0510, 5407.93.0520 5407.94.0510, 5407.94.0520 5408.31.0510, 5408.31.0520 5408.32.0510, 5408.32.0520 5408.33.0510, 5408.33.0520 5408.34.0510, 5408.34.0520 5515.13.0510, 5515.13.0520 5515.22.0510, 5515.22.0520 5515.92.0510, 5515.92.0520 5516.31.0510, 5516.31.0520 5516.32.0510, 5516.32.0520 5516.33.0510, 5516.33.0520 5516.34.0510, 5516.34.0520 5801.10.0000	5111.11.0000-5112.90.0000 5801.14.0000

<sup>1</sup>Source: 1991 edition, *Harmonized System-Based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States*.

<sup>2</sup>Source: *Harmonized Tariff Schedule of the United States, Annotated (1991)*.



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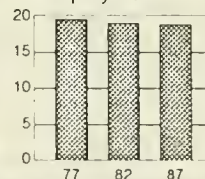


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Current Industrial Report...

U.S. Department of Commerce  
Economics and Statistics Administration  
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# Broadwoven Fabrics (Gray)

U.S. DEPARTMENT OF COMMERCE  
DEPOSITORY

MAR 25 1992

THIRD QUARTER 1991

MQ22T(91)-3  
Issued December 1991

The statistics in this publication are based on a survey of manufactures and represent total U.S. production of broadwoven fabrics over 12 inches. Estimates are included for companies whose reports were not received in time

for tabulation. A description of the survey methodology and related information may be found in the first quarter 1991 report, MQ22T(91)-1, issued July 1991.

This report is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100.

Table 1. SUMMARY OF PRODUCTION OF BROADWOVEN GRAY FABRICS, BY TYPE OF FABRIC: 1986 TO 1991  
(Millions of square yards)

Year	Chiefly cotton fabrics	Manmade fiber fabrics, including silk and manmade/wool blends	Chiefly wool fabric	Tire cord and tire cord fabrics
1991				
Third quarter .....	1,082.7	2,645.3	41.3	175.2
Second quarter .....	1,140.1	2,683.9	48.3	180.8
First quarter .....	1,072.6	2,543.4	38.1	179.8
1990				
Fourth quarter .....	1,048.0	2,700.2	31.4	177.8
Third quarter .....	1,087.3	2,585.9	32.6	172.5
Second quarter .....	1,126.6	2,664.2	38.7	183.3
First quarter .....	1,201.5	2,712.2	38.0	184.7
1989				
Fourth quarter .....	1,105.8	2,714.6	37.0	161.4
Third quarter .....	1,134.3	2,670.0	40.1	172.0
Second quarter .....	1,191.8	2,782.2	50.9	179.3
First quarter .....	1,157.2	2,796.0	48.3	175.7
1988				
Fourth quarter .....	1,052.3	2,847.7	43.9	168.9
Third quarter .....	1,072.2	2,735.6	43.0	169.5
Second quarter .....	1,255.0	2,877.6	53.0	157.7
First quarter .....	1,252.1	2,908.8	50.6	153.8
1987				
Fourth quarter .....	1,178.2	2,945.9	40.9	126.8
Third quarter .....	1,219.1	2,787.7	36.0	122.1
Second quarter .....	1,216.9	2,764.0	45.9	121.9
First quarter .....	1,158.0	2,736.7	46.0	124.5
1986				
Fourth quarter .....	1,129.3	2,785.4	30.2	116.0
Third quarter .....	1,095.2	2,561.5	27.8	105.9

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Keith Featherstone (301) 763-2553.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.



**Table 2. SUMMARY OF PRODUCTION AND LOOM ASSIGNMENTS OF BROADWOVEN GRAY FABRICS**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1991		Second quarter 1991		Production, year-to-date (M sq. yards)
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)	
	Cotton and chiefly cotton fabrics mixed mainly or solely with manmade fibers .....	32,136	1,082,745	32,219	1,140,056	3,295,398
2211B 00	Plain weaves .....	15,855	510,651	15,695	555,835	1,589,835
2211C 00	Twill weaves .....	7,592	339,681	7,448	339,842	987,013
2211D 00	All other weaves except pile .....	3,992	118,483	4,166	124,832	368,821
2211E 00	Pile fabrics .....	4,697	113,930	4,912	119,547	349,729
	Chiefly cotton fabrics mixed mainly or solely with other than manmade fibers .....	(D)	(D)	(D)	(D)	(D)
	Manmade fiber and silk gray broadwoven fabrics. ....	59,911	2,645,289	60,659	2,683,941	7,872,665
2221B 00	85 percent or more filament rayon and/or acetate fabrics. ....	7,231	181,884	7,454	181,339	537,689
2221C 00	85 percent or more filament fabrics, except rayon and/or acetate .....	16,523	1,216,473	15,974	1,190,232	3,522,561
	85 percent or more spun yarn fabrics, except wool blends .....	27,309	904,875	28,151	944,574	2,774,046
2221D 00	Plain weave, except pile .....	21,151	740,036	21,338	768,494	2,268,375
2221E 00	Twill weave, except pile .....	3,351	103,726	4,027	116,432	328,517
2221F 00	All other weaves, except pile .....	2,807	61,113	2,788	59,648	177,154
2221G 00	Spun/filament yarn combinations .....	(D)	(D)	(D)	(D)	(D)
2221H 10	Pile fabrics .....	761	13,567	716	13,657	37,919
2221H 2X	All other chiefly manmade fiber fabrics, including chiefly manmade fiber blends with wool .....	(D)	(D)	(D)	(D)	(D)
2221H 01	Silk fabrics .....	*88	*199	*73	*227	595
	Woolen and worsted fabrics .....	1,998	41,295	2,012	48,260	127,644

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report, MQ22T(91)-1, issued July 1991, for a discussion of estimation of missing reports): \*10 to 25 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. 'Revised by 5 percent or more from previously published figures.

**Table 3. SUMMARY OF PRODUCTION OF BROADWOVEN FABRIC BY TEXTILE CATEGORY**

(Thousands of square yards)

Product description	Production during quarter		Production year-to-date
	Third quarter 1991	Second quarter 1991	
Blue denim .....	187,850	182,863	539,639
All other yarn dyed fabric .....	119,784	126,062	358,518
Plain weave .....	25,086	24,117	73,923
Twill weave .....	30,926	36,655	96,062
All other weave .....	63,772	65,290	188,533
Cheesecloth and batistes .....	284,440	315,212	881,206
Duck .....	(D)	(D)	(D)
Oxfords .....	21,171	24,214	67,719
Pile fabrics .....	127,497	133,204	387,648
Special weave fabric .....	81,950	80,955	245,821
Other fabrics, chiefly cotton fiber:			
Print cloth .....	90,266	93,953	263,894
Poplin and broadcloth .....	17,186	14,260	54,369
Sheeting .....	145,797	151,226	448,638
Twills .....	122,417	122,155	356,769
Sateens .....	7,206	9,598	29,005
Other fabrics, chiefly manmade fiber:			
Manmade/wool blends .....	(D)	(D)	(D)
85 percent or more filament yarn fabrics:			
Typewriter fabric .....	24,803	26,996	73,907
Other nylon .....	99,090	95,979	290,965
Rayon and acetate .....	181,884	181,339	537,689
Polyester .....	176,522	172,046	509,452
Glass fiber .....	92,133	89,682	268,960
All other .....	823,925	805,529	2,379,277
85 percent or more spun yarn fabrics:			
Print cloth .....	168,009	188,274	546,937
Poplin and broadcloth .....	131,561	146,428	433,274
Sheeting .....	374,650	378,220	1,111,810
Twills and sateens .....	109,138	120,727	343,088
Spun filament combinations except blue denim:			
Print cloth .....	84,599	98,946	280,977
Poplin and broadcloth .....	59,927	62,799	169,055
Sheeting .....	30,318	41,785	110,387
Twills and sateens .....	25,603	23,470	71,185
Other .....	108,605	105,621	311,536
Wool fabrics .....	41,295	48,260	127,644
Silk fabrics .....	199	227	595

(D) Data withheld to avoid disclosing figures for individual companies.

'Revised by 5 percent or more from previously published figures.



**Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1991		Second quarter 1991	
		Looms operating and of quarter (number)	Production during quarter (M sq. yards)	Looms operating and of quarter (number)	Production during quarter (M sq. yards)
2211B 02	Tobacco, cheese, and bandage cloth . . . . .	3,808	293,855	4,095	320,844
2221D 03	More than 50 percent cotton . . . . .	3,359	240,820	3,548	279,908
2221D 04	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
2221D 05	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
2211B 05	Spun-filament combinations . . . . .	(D)	(D)	(D)	(D)
2221G 04	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211B 12	Print cloth . . . . .	14,886	342,902	14,775	381,173
2221D 13	More than 50 percent cotton . . . . .	6,798	90,293	8,528	93,953
2221D 15	Chiefly spun polyester mixed with cotton . . . . .	4,817	125,995	4,831	148,602
2221D 18	Chiefly spun polyester mixed with rayon . . . . .	(D)	(D)	(D)	(D)
2221D 18	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
	All other fabrics, 85 percent or more spun yarn . . . . .	495	18,934	483	15,213
2211B 14	Spun/filament combinations . . . . .	1,559	84,600	1,700	98,946
2221G 07	Chiefly cotton . . . . .	-	-	-	-
	Chiefly manmade . . . . .	1,559	84,600	1,700	98,946
2211B 21	Poplin and broadcloth . . . . .	6,252	229,578	8,575	244,903
2211B 25	More than 50 percent cotton . . . . .	509	18,959	441	18,945
2211B 30	Weighing 5.9 ounces or less per square yard . . . . .	434	14,118	372	13,150
	Carded . . . . .	134	4,334	115	4,248
	Combed . . . . .	300	9,784	257	8,902
	Weighing more than 5.9 ounces per square yard . . . . .	75	4,841	69	3,795
2221D 23	Chiefly spun polyester mixed with cotton . . . . .	3,907	128,011	4,136	138,632
2221D 25	Weighing 5.0 ounces or less per square yard . . . . .	3,669	114,979	3,917	127,128
	Carded . . . . .	2,882	77,152	3,120	87,767
	Combed . . . . .	787	37,827	797	39,359
2221D 27	Weighing more than 5.0 ounces per square yard . . . . .	238	13,032	219	11,508
2221D 31	Carded . . . . .	(D)	(D)	(D)	(D)
2221D 33	Combed . . . . .	(D)	(D)	(D)	(D)
2221D 34	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
2211B 35	All other fabrics, 85 percent or more spun yarn . . . . .	424	15,591	447	17,212
2221G 19	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
	Chiefly manmade . . . . .	1,043	59,927	1,247	82,799
2211B 41	Lewna, voile, and batiste . . . . .	139	3,042	180	3,195
2221D 41	More than 50 percent cotton . . . . .	(D)	(D)	(D)	(D)
2221D 44	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
2221D 42	Chiefly spun rayon and/or acetate . . . . .	-	-	-	-
	All other fabrics, 85 percent or more spun yarn . . . . .	-	-	-	-
2211B 43	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2221G 28	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211B 71	Duck, including taped warp duck . . . . .	737	14,907	698	14,622
2221D 89	More than 50 percent cotton . . . . .	396	7,805	359	7,133
2221D 91	Chiefly spun polyester mixed with cotton . . . . .	176	2,757	165	2,612
	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
2211B 75	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2221B 77	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211B 45	Bedsheeting . . . . .	11,319	430,240	11,388	442,653
2221D 43	More than 50 percent cotton . . . . .	2,921	94,330	2,782	89,672
2221D 45	Chiefly spun polyester mixed with cotton . . . . .	7,476	295,184	7,529	302,428
2221D 46	Carded . . . . .	1,323	81,680	1,580	87,761
2221D 47	Combed . . . . .	6,153	213,504	5,949	214,667
	Chiefly spun rayon and/or acetate . . . . .	-	-	-	-
	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
2211B 47	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2221G 33	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211B 61	All other sheeting, including osenaburgs . . . . .	3,235	124,681	3,228	131,279
	More than 50 percent cotton . . . . .	1,438	42,855	1,569	53,351
2211B 63	Weighing 5.9 ounces or less per square yard . . . . .	1,051	25,772	1,178	36,564
2211B 65	Weighing more than 5.9 ounces per square yard . . . . .	387	17,083	391	16,787
	Blanketing . . . . .	222	11,456	234	10,988
	All other fabric . . . . .	165	5,627	157	5,799
2221D 63	85 percent or more spun polyester . . . . .	148	5,939	147	4,935
2221D 65	Blanketing . . . . .	(D)	(D)	(D)	(D)
	All other fabric . . . . .	(D)	(D)	(D)	(D)
2221D 73	Chiefly spun polyester mixed with cotton . . . . .	1,227	56,074	1,152	57,846
2221D 75	Weighing 5.0 ounces or less per square yard . . . . .	991	46,931	940	46,363
	Weighing more than 5.0 ounces per square yard . . . . .	236	9,116	212	11,483
2221D 81	Chiefly spun acrylic . . . . .	190	10,317	147	7,091
2221D 83	Blanketing . . . . .	(D)	(D)	(D)	(D)
2221D 84	All other fabric . . . . .	(D)	(D)	(D)	(D)
2221D 85	Chiefly spun rayon and/or acetate . . . . .	-	-	-	-
	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
2211B 67	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2221G 45	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)

See footnotes at end of table.



**Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS—Continued**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1991		Second quarter 1991	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Blue denim . . . . .	3,340	187,850	3,233	182,863
	More than 50 percent cotton . . . . .	3,235	182,934	3,142	178,702
2211C 01	Weighing 10.7 ounces or less per square yard . . . . .	389	18,906	384	19,553
2211C 03	Weighing more than 10.7 ounces per square yard . . . . .	2,846	164,028	2,758	157,149
2211G 05	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
2221E 03	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211G 05	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 46	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	All other denim . . . . .	633	39,308	662	45,100
	More than 50 percent cotton . . . . .	763	36,623	789	43,092
2211C 11	Weighing 10.7 ounces or less per square yard . . . . .	70	3,622	68	3,636
2211C 13	Weighing more than 10.7 ounces per square yard . . . . .	693	33,001	721	39,456
2221E 13	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
	Spun filament combinations . . . . .	(D)	(D)	(D)	(D)
2211C 15	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221C 18	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211C 21	Canton flannels . . . . .	403	5,168	408	8,253
	All other twill weaves . . . . .	8,846	230,445	7,392	239,001
	More than 50 percent cotton . . . . .	2,966	108,263	2,893	108,939
2211C 31	Weighing 5.9 ounces or less per square yards . . . . .	1,080	33,369	1,135	33,620
2211C 33	Weighing more than 5.9 ounces per square yard . . . . .	1,886	74,894	1,758	73,319
2221E 21	85 percent or more spun polyester . . . . .	90	4,228	138	5,633
	Chiefly spun polyester mixed with cotton . . . . .	2,227	78,436	2,264	84,733
2221E 23	Weighing 5.0 ounces or less per square yard . . . . .	585	11,731	525	11,837
2221E 25	Weighing more than 5.0 ounces per square yard . . . . .	1,642	66,705	1,739	72,896
2221E 26	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
2221E 27	All other fabrics, 85 percent or more spun yarn . . . . .	582	12,703	1,222	18,969
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211C 35	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221C 39	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	Sateens . . . . .	940	20,369	991	22,251
2211D 05	More than 50 percent cotton . . . . .	219	6,202	235	8,348
2221F 05	Chiefly spun polyester mixed with cotton . . . . .	165	4,258	139	3,152
2221F 06	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
2221F 07	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations . . . . .	488	8,670	541	9,480
2211D 07	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 05	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	Oxfords . . . . .	1,089	50,131	1,338	57,764
2211D 11	More than 50 percent cotton . . . . .	698	38,878	825	40,844
2221F 11	Chiefly spun polyester mixed with cotton . . . . .	173	5,602	118	5,066
2221F 17	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211D 13	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 68	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211D 31	8irdseye diaper cloth . . . . .	(D)	(D)	(D)	(D)
2211D 35	Huck and crash toweling . . . . .	(D)	(D)	(D)	(D)
	Table damask . . . . .	328	13,495	327	13,601
2211D 45	More than 50 percent cotton . . . . .	(D)	(D)	(D)	(D)
2221F 32	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
2221F 37	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
2221G 82	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211D 07	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 82	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	Jacquard and dobby shirting fabrics . . . . .	540	8,517	525	9,74
2211D 51	More than 50 percent cotton . . . . .	54	1,770	114	3,73
2221F 41	Chiefly spun polyester mixed with cotton . . . . .	231	2,342	176	2,06
2221F 43	All other fabric, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211D 53	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 84	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	All other weaves . . . . .	6,583	160,459	6,135	153,04
	More than 50 percent cotton . . . . .	1,883	35,330	1,642	36,34
2211D 62	Weighing 5.9 ounces or less per square yard . . . . .	715	13,604	539	13,51
2211D 64	Weighing more than 5.9 ounces per square yard . . . . .	*1,168	*21,726	*1,103	*22,82
2221F 52	85 percent or more spun polyester . . . . .	261	5,798	341	4,66
	Chiefly spun polyester mixed with cotton . . . . .	617	8,242	671	7,96
2221F 54	Weighing 5.0 ounces or less per square yard . . . . .	*174	4,040	224	3,86
2221F 56	Weighing more than 5.0 ounces per square yard . . . . .	*443	*4,202	447	4,06
2221F 58	All other fabrics, 85 percent or more spun yarn . . . . .	797	17,042	683	15,60
	Spun/filament combinations . . . . .	3,025	94,047	2,798	69,46
2211D 66	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 87	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report for this series, MQ22T(91)-1, issued July 1991, for a discussion of estimation of missing reports): \*10 to 25 percent of this item is estimated. \*More than 25 percent of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. \*Revised by 5 percent or more from previously published figures.



Table 5. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE FILAMENT YARN FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1991		Second quarter 1991	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	85 percent or more filament yarn fabrics .....	23,775	1,398,829	23,449	1,371,994
	High tenacity yarn fabrics .....	860	21,368	840	21,067
2221B 02	100 percent and chiefly rayon .....	(D)	(D)	(D)	(D)
2221C 02	100 percent and chiefly nylon .....	(D)	(D)	(D)	(D)
2221C 04	100 percent and chiefly polyester .....	157	8,294	144	7,422
2221C 07	85 percent more filament yarn fabric obtained from strip or the like except rayon and/or acetate .....	(D)	(D)	(D)	(D)
	85 percent or more filament rayon, acetate and/or triacetate filament yarn fabrics .....	4,973	138,903	4,864	136,078
	Weighing not more than 5 ounces per square yard. ....	4,091	118,325	3,877	113,046
2221B 11	Plain weave .....	2,899	86,070	2,523	74,932
2221B 13	Other weaves .....	1,192	32,255	1,354	38,114
	Weighing more than 5 ounces per square yard .....	882	20,578	987	23,032
2221B 15	Plain weave .....	(D)	(D)	(D)	(D)
2221B 17	Other weaves .....	(D)	(D)	(D)	(D)
	Other chiefly rayon and/or acetate filament yarn fabrics .	1,767	38,225	2,108	40,968
2221B 32	Weighing not more than 5 ounces per square yard. ....	724	12,013	662	14,375
2221B 35	Weighing more than 5 ounces per square yard .....	1,043	26,212	1,446	26,593
	85 percent or more nylon filament yarn fabrics .....	3,396	113,755	3,177	110,833
2221C 11	Typewriter and other impression fabrics .....	762	24,803	790	26,996
	Other 85 percent or more nylon filament yarn fabrics..	2,634	88,952	2,387	83,837
	Weighing not more than 5 ounces per square yard..	2,347	75,824	2,246	73,934
2221C 14	Flat, non-textured .....	2,166	68,475	1,983	64,867
2221C 16	All other .....	181	7,349	263	9,067
	Weighing more than 5 ounces per square yard .....	287	13,128	141	9,903
2221C 22	Flat, non-textured .....	165	2,263	23	958
2221C 24	All other .....	122	10,865	118	8,945
	Other chiefly nylon filament fabrics .....	240	1,820	251	2,790
2221C 32	Weighing not more than 5 ounces per square yard. ....	(D)	(D)	(D)	(D)
2221C 34	Weighing more than 5 ounces per square yard .....	(D)	(D)	(D)	(D)
	85 percent or more polyester filament yarn fabrics .....	5,924	164,164	5,625	161,326
2221C 42	Textured .....	4,258	119,345	4,031	116,532
2221C 44	Weighing not more than 5 ounces per square yard <sup>1</sup> .	2,257	61,176	2,083	60,585
2221C 45	Flat .....	(D)	(D)	(D)	(D)
	Other .....	(D)	(D)	(D)	(D)
	Weighing more than 5 ounces per square yard <sup>1</sup> ....	2,001	58,169	1,948	55,947
2221C 50	Non-textured .....	1,666	44,819	1,594	44,794
2221C 55	Weighing not more than 5 ounces per square yard <sup>1</sup> .	916	23,061	864	24,159
	Weighing more than 5 ounces per square yard <sup>1</sup> ....	750	21,758	730	20,635
2221C 62	Other chiefly polyester filament fabrics .....	227	4,064	206	3,298
2221C 72	Glass fiber fabrics .....	2,516	92,133	2,559	89,682
2221C 74	Woven roving and screening .....	114	13,562	69	3,805
	All other glass fiber fabrics .....	2,402	78,571	2,490	85,877
	All other 85 percent or more filament yarn fabrics, including saran and olefin .....	3,851	823,925	3,798	805,529
2221C 80	Carpet backing .....	2,812	734,801	2,750	719,547
2221C 83	Woven synthetic (including olefin) .....	(D)	(D)	(D)	(D)
2221C 84	Jute and other backing .....	(D)	(D)	(D)	(D)
	All other .....	1,039	89,124	1,048	85,982

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report in this series, MQ22T(91)-1, issued July 1991, for a discussion of estimation of missing reports): \*10 to 25 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Revised by 5 percent or more from previously published figures.

<sup>1</sup>Classified on a finished weight basis.



Table 6. PRODUCTION AND LOOM ASSIGNMENT OF PILE FABRICS (INCLUDES YARN DYED FABRIC)

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1991		Second quarter 1991	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Pile fabrics .....	5,458	127,497	5,628	133,204
	Corduroy .....	680	9,332	847	15,185
	More than 50 percent cotton .....	(D)	(D)	(D)	(D)
2211E 01	Finewales and pinwales .....	335	3,882	439	6,388
2211E 03	Midwales .....	(D)	(D)	(D)	(D)
2211E 06	Widewales and other .....	230	3,130	260	4,435
2221H 01	Chiefly manmade fiber .....	(D)	(D)	(D)	(D)
	Velvets, plushes, and other pile fabrics .....	782	14,025	735	13,985
2211E 21	More than 50 percent cotton .....	(D)	(D)	(D)	(D)
2221H 11	Chiefly manmade fiber .....	(D)	(D)	(D)	(D)
	Terry cloth and terry toweling .....	3,996	104,140	4,046	104,034
2211E 32	Terry toweling .....	3,846	100,773	3,838	98,835
2211E 34	Terry cloth .....	150	3,367	208	4,199

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report in this series, MQ22T(91)-1, issued July 1991, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. <sup>c</sup>Revised by 5 percent or more from previously published figures.

Table 7. PRODUCTION AND LOOM ASSIGNMENT OF WOOLEN AND WORSTED FABRICS, INCLUDING CHIEFLY MANMADE/WOOL BLENDS AND CHIEFLY COTTON/WOOL BLENDS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1991		Second quarter 1991	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Woolen and worsted fabrics, 36 percent or more wool (except felts) <sup>1</sup> .....	1,998	41,295	<sup>c</sup> 2,012	48,260
	Apparel fabrics, including government orders .....	1,863	39,208	<sup>c</sup> 1,886	46,353
	Worsted fabrics .....	1,074	22,796	<sup>c</sup> 1,101	28,833
22312 01	Weighing not more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
22312 02	Weighing more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
	Woolen fabrics .....	789	16,412	785	17,520
22312 21	Weighing not more than 9 ounces per square yard .....	(D)	(D)	(D)	(D)
22312 23	Weighing more than 9 ounces per square yard .....	(D)	(D)	(D)	(D)
	Nonapparel fabrics, including government orders (except felts) ..	135	2,087	<sup>c</sup> 126	<sup>c</sup> 1,907
22312 62	Blanketing, including thermal .....	(D)	(D)	(D)	(D)
22312 61	Upholstery fabric .....	(D)	(D)	(D)	(D)
22312 85	All other fabrics .....	<sup>b</sup> 93	<sup>b</sup> 1,015	<sup>b</sup> 87	<sup>a</sup> 980
22312 92	Woven felts (thousands of pounds) .....	148	1,418	156	<sup>c</sup> 1,624
	Chiefly manmade/wool blend and chiefly cotton/wool blend fabrics .....	(D)	(D)	(D)	(D)
	Chiefly spun polyester mixed mainly or solely with wool .....	(D)	(D)	(D)	(D)
2221H 21	Woolen .....	(D)	(D)	(D)	(D)
	Worsted .....	(D)	(D)	(D)	(D)
2221H 25	Weighing not more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
2221H 27	Weighing more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
2221H 32	All other chiefly spun fibers mixed mainly or solely with wool ...	(D)	(D)	(D)	(D)
	Chiefly filament polyester mixed mainly or solely with wool or spun polyester/wool blends (less than 36 percent wool) .....	(D)	(D)	(D)	(D)
2221H 51	Woolen .....	(D)	(D)	(D)	(D)
	Worsted .....	(D)	(D)	(D)	(D)
2221H 53	Weighing not more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
2221H 55	Weighing more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
2221H 63	All other chiefly filament yarn mixed mainly or solely with wool ..	(D)	(D)	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report in this series, MQ22T(91)-1, issued July 1991, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. <sup>c</sup>Revised by 5 percent or more from previously published figures.

<sup>1</sup>Includes fabrics 36 percent or more wool or reprocessed wool by weight. 1986 and prior years include fabrics 50 percent or more wool or reprocessed wool by weight.



**Table 8. PRODUCTION AND LOOM ASSIGNMENT OF UPHOLSTERY FABRICS**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1991		Second quarter 1991	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Upholstery fabrics . . . . .	4,028	99,514	3,822	96,663
	85 percent or more spun yarn and spun filament combinations . .	3,271	80,799	3,114	79,319
	Pile woven . . . . .	785	19,277	725	18,785
2211E 41	All cotton and chiefly cotton . . . . .	98	921	88	896
2221H 41	All manmade and chiefly manmade . . . . .	687	18,358	637	17,889
	Flat woven . . . . .	2,486	61,522	2,389	60,534
2211X 01	All cotton and chiefly cotton . . . . .	*806	21,742	786	*21,321
	All manmade and chiefly manmade . . . . .	1,680	39,780	1,603	39,213
2221X 01	Olefin . . . . .	*364	8,561	*351	7,455
2221X 03	All other flat woven manmade fiber fabrics . . . . .	1,316	31,219	1,252	31,758
	85 percent or more filament yarn . . . . .	757	18,715	708	17,344
2221X 01	All polyester and chiefly polyester . . . . .	335	6,718	320	*6,150
2221X 03	All nylon and chiefly nylon . . . . .	(D)	(D)	(D)	(D)
2221X 05	All olefin and chiefly olefin . . . . .	304	9,872	266	9,228
2221X 07	All other filament fiber fabrics . . . . .	(D)	(D)	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report in this series, MQ22T(91)-1, issued July 1991, for a discussion of estimation of missing reports): \*10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

These data are included in the data shown in tables 4, 5, and 6.

(D) Data withheld to avoid disclosing figures for individual companies. <sup>c</sup>Revised by 5 percent or more from previously published figures.

**Table 9. PRODUCTION OF TIRE CORD AND TIRE CORD FABRICS**

(Thousands of pounds)

Product code	Product description	Production during quarter	
		Third quarter 1991	Second quarter 1991
22960 00	Tire cord and tire cord fabrics . . . . .	175,228	180,827
22960 12	Cotton tire cord and tire cord fabrics . . . . .	-	-
22960 32	Rayon tire cord and tire cord fabrics . . . . .	645	576
22960 35	Nylon tire cord and tire cord fabrics . . . . .	35,502	39,233
22960 37	Polyester tire cord and tire cord fabrics . . . . .	42,436	43,838
22960 38	Glass tire cord and tire cord fabrics . . . . .	174	203
22960 45	Steel tire cord . . . . .	93,867	93,889
22960 49	All other tire cord and tire cord fabrics including chafer . . . . .	2,604	3,088

- Represents zero.

**Table 10. LOOMS IN PLACE AND LOOM HOURS OPERATED IN BROADWOVEN FABRIC MILLS**

Product description	Third quarter 1991		Second quarter 1991	
	Looms in place (number)	Thousands of loom hours operated	Looms in place (number)	Thousands of loom hours operated
Total . . . . .	100,244	169,106	101,669	174,529
Shuttle type looms . . . . .	35,112	55,555	36,367	58,332
Single shuttle cam looms . . . . .	24,293	38,091	24,865	40,935
Single shuttle dobby looms . . . . .	6,517	11,735	7,107	11,775
Multiple shuttle box or head motion looms . . . . .	2,557	*3,575	2,516	3,376
Double shuttle pile and plush, and jacquard looms . . . . .	1,745	2,154	1,879	2,246
Shuttleless looms and weaving machines . . . . .	65,132	113,551	65,302	116,197
Single filling insertion capability . . . . .	38,226	70,769	38,336	72,154
Air jet looms . . . . .	15,275	28,860	15,336	29,112
Water jet looms . . . . .	5,852	10,510	5,974	10,688
Projectile looms . . . . .	12,221	23,308	12,197	23,655
Rapier looms . . . . .	4,878	8,091	4,829	8,699
Multiple filling insertion capability . . . . .	26,307	42,027	26,377	43,331
Air jet looms . . . . .	(D)	(D)	(D)	(D)
Water jet looms . . . . .	(D)	(D)	(D)	(D)
Projectile looms . . . . .	11,077	18,841	11,085	18,830
Rapier looms . . . . .	12,110	17,554	12,099	18,323
Pile and plush looms . . . . .	599	755	*589	*712

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report in this series, MQ22T(91)-1, issued July 1991, for a discussion of estimation of missing reports): \*10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies.



**Table 11. PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF BROADWOVEN FABRICS: THIRD QUARTER 1991**

(Quantity in thousands of square yards; value in thousands of dollars)

Product description	Manufacturers' shipments <sup>1</sup> (quantity)	Imports for consumption <sup>2</sup>		Percent imports to manufacturers' shipments (quantity)	Exports of domestic merchandise <sup>4</sup>		Percent exports to manufacturers' shipments (quantity)	Apparent consumption <sup>5</sup>
		Quantity	Value <sup>3</sup>		Quantity	Value		
Cotton fabrics <sup>6</sup> . . . . .	1,082,745	344,931	363,257	31.9	(NA)	(NA)	(NA)	(NA)
Cheesecloth and batistes . . . . .	(D)	8,249	5,853	(D)	7,288	11,606	(D)	(D)
Print cloth . . . . .	90,266	82,568	51,648	91.5	853	1,639	0.9	171,981
Poplin and broadcloth . . . . .	17,188	45,478	38,058	264.6	4,861	8,975	28.3	57,903
Weighing 5.9 ounces or less per square yard . . . . .	13,834	45,209	37,016	326.8	2,646	5,675	19.1	56,397
Weighing more than 5.9 ounces per square yard . . . . .	3,352	269	1,042	8.0	2,215	3,300	66.1	1,406
Duck, including tape warp . . . . .	8,022	17	16,047	(Z)	3,722	8,419	46.4	4,317
Sheeting . . . . .	145,797	97,045	70,032	66.6	3,327	7,130	2.3	239,515
Twills and sateens . . . . .	129,623	61,099	77,569	47.1	2,428	5,658	1.9	188,294
Oxfords . . . . .	13,798	2,135	4,958	15.5	(NA)	(NA)	(NA)	(NA)
All other constructions . . . . .	(D)	14,166	17,199	(D)	(NA)	(NA)	(D)	(D)
Blue Denim . . . . .	186,423	14,599	29,693	7.8	13,334	31,592	7.2	187,688
Yarn dyed fabric . . . . .	82,498	17,338	42,955	21.0	5,966	10,201	7.2	93,868
Pile fabrics, including yarn dyed . . . . .	113,930	2,237	9,245	2.0	1,375	4,542	1.2	114,793
Manmade fiber fabrics . . . . .	2,645,289	183,945	398,192	7.0	66,583	162,266	2.5	2,762,650
85% or more filament yarn fabrics . . . . .	1,398,357	78,968	145,408	5.6	37,049	81,139	2.6	1,440,276
Nylon and polyester high tenacity fabric . . . . .	16,612	2,355	5,988	14.2	7,010	15,102	42.2	11,956
Rayon high tenacity fabric . . . . .	4,756	541	738	11.4	1,572	3,442	33.1	3,725
Typewriter fabric . . . . .	24,803	-	-	(Z)	(NA)	(NA)	(NA)	(NA)
Rayon or acetate filament yarn fabrics . . . . .	177,128	4,819	9,552	2.7	2,516	5,899	1.4	179,431
Polyester filament yarn fabric . . . . .	168,228	58,197	109,572	34.6	12,518	20,954	7.4	213,908
Glass fiber fabric . . . . .	92,133	3,896	6,714	4.2	(NA)	(NA)	(NA)	(NA)
Nylon filament yarn fabric . . . . .	90,772	8,601	11,131	9.5	5,273	15,086	5.8	94,101
All other filament yarn fabric . . . . .	823,925	559	1,713	(Z)	8,161	20,656	1.0	816,323
85 percent or more spun yarn fabric . . . . .	918,442	64,648	90,608	7.0	18,646	40,782	2.0	964,444
Cheesecloth and batistes . . . . .	43,072	1,296	1,260	3.0				
Poplin broadcloth . . . . .	131,561	17,517	14,202	13.3				
Polyester/cotton . . . . .	112,386	16,037	11,274	14.3				
Weighing 5.0 ounces or less per square yard . . . . .	99,503	15,656	10,557	15.7				
Weighing more than 5.0 ounces per square yard . . . . .	12,883	380	717	3.0				
All other spun yarns . . . . .	19,175	1,480	2,928	7.7				
Print cloth . . . . .	168,009	14,978	10,095	8.9				
Polyester/cotton . . . . .	125,995	9,739	4,731	7.7				
All other spun yarns . . . . .	42,014	5,239	5,364	12.5				
Duck . . . . .	(D)	81	359	(D)				
Sheeting . . . . .	374,650	3,591	4,557	1.0				
Polyester/cotton . . . . .	(D)	2,447	1,796	(D)				
Weighing 5.0 ounces or less per square yard . . . . .	(D)							
Weighing more than 5.0 ounces per square yard . . . . .	(D)	2,447	1,796	(D)				
All other spun yarn . . . . .	(D)	1,144	2,761	(D)				
Sateens or twills . . . . .	109,138	12,967	15,002	11.9				
Oxford . . . . .	7,373	(NA)	(NA)	(Z)				
All other spun manmade fiber fabrics . . . . .	28,114	1,461	5,923	5.2				
Yarn dyed fabric . . . . .	37,288	10,839	28,680	29.1				
Pile fabrics . . . . .	13,567	1,919	10,530	14.1	852	5,098	6.3	14,634
Spun/filament yarn combinations, including yarn dyed . . . . .	(D)	26,103	54,045	(D)	10,441	36,831	(D)	(D)
Chiefly manmade/wool blends . . . . .	(D)	7,166	23,999	(D)	(NA)	(NA)	(NA)	(NA)
Silk fabrics . . . . .	199	7,060	84,132	3,547.8	446	3,514	224.4	6,813
Wool fabrics . . . . .	41,295	6,940	68,147	16.8	1,231	5,163	3.0	47,004
Chiefly cotton fabrics blended with wool and other vegetable fibers and other vegetable fiber fabrics . . . . .	(D)	54	369	(D)	(NA)	(NA)	(D)	(D)

Note: Fabric blends as shown in Current Industrial Reports Series MQ22T are reported based on the chief weight of the fiber whereas fabric blends as shown for imports and exports are based on the chief value of the fiber.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. (NA) Not available. (Z) Less than one half of one percent.

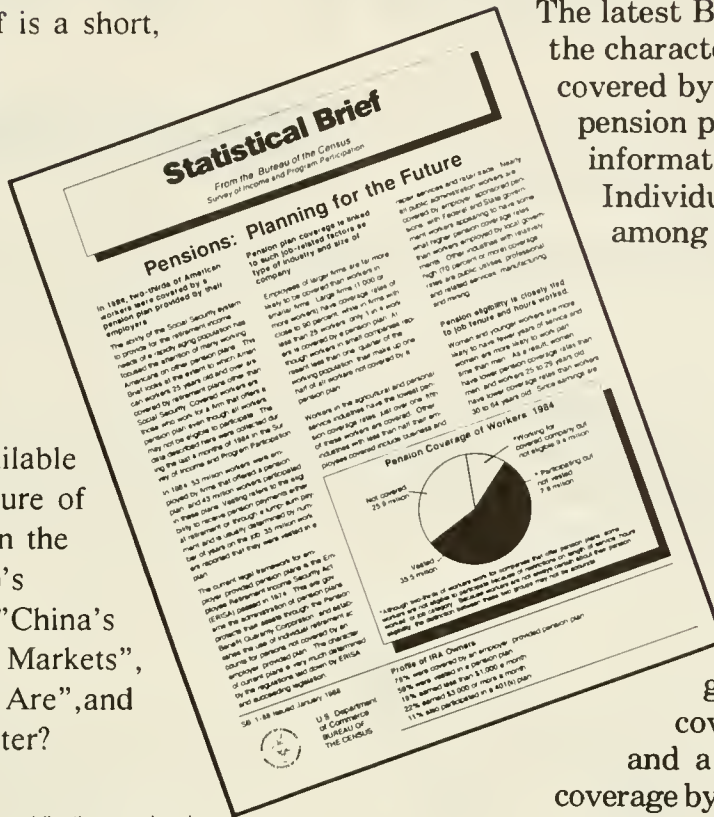
<sup>1</sup>Represents production of gray broadwoven fabrics; import and export data represent gray as well as finished broadwoven fabrics. For a comparison of Standard Industrial Classification (SIC) based product codes with Schedule B export numbers and HTSUSA import numbers, see table 12. <sup>2</sup>Source: Bureau of the Census Report IM 145, U.S. Imports for Consumption. <sup>3</sup>Source: Bureau of the Census Report EM 545, U.S. Exports. <sup>4</sup>This dollar value represents the c.i.f. (cost, insurance, and freight) at the first port of entry in the United States plus calculated import duty. <sup>5</sup>Apparent consumption represents new domestic supply and is derived by subtracting exports from the total manufacturers' shipments plus imports. <sup>6</sup>Includes all cotton and chiefly cotton mixed with manmade fiber.



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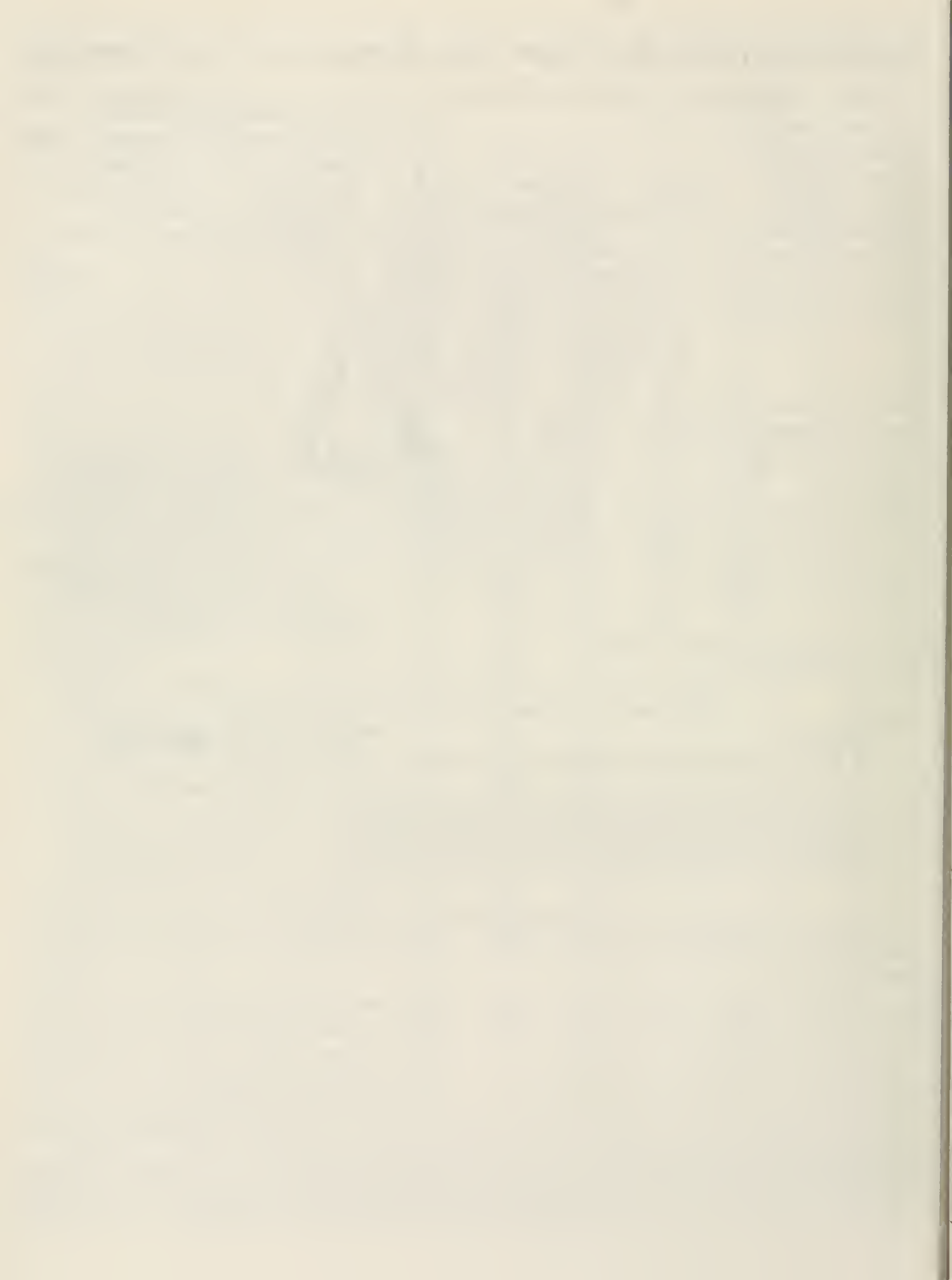
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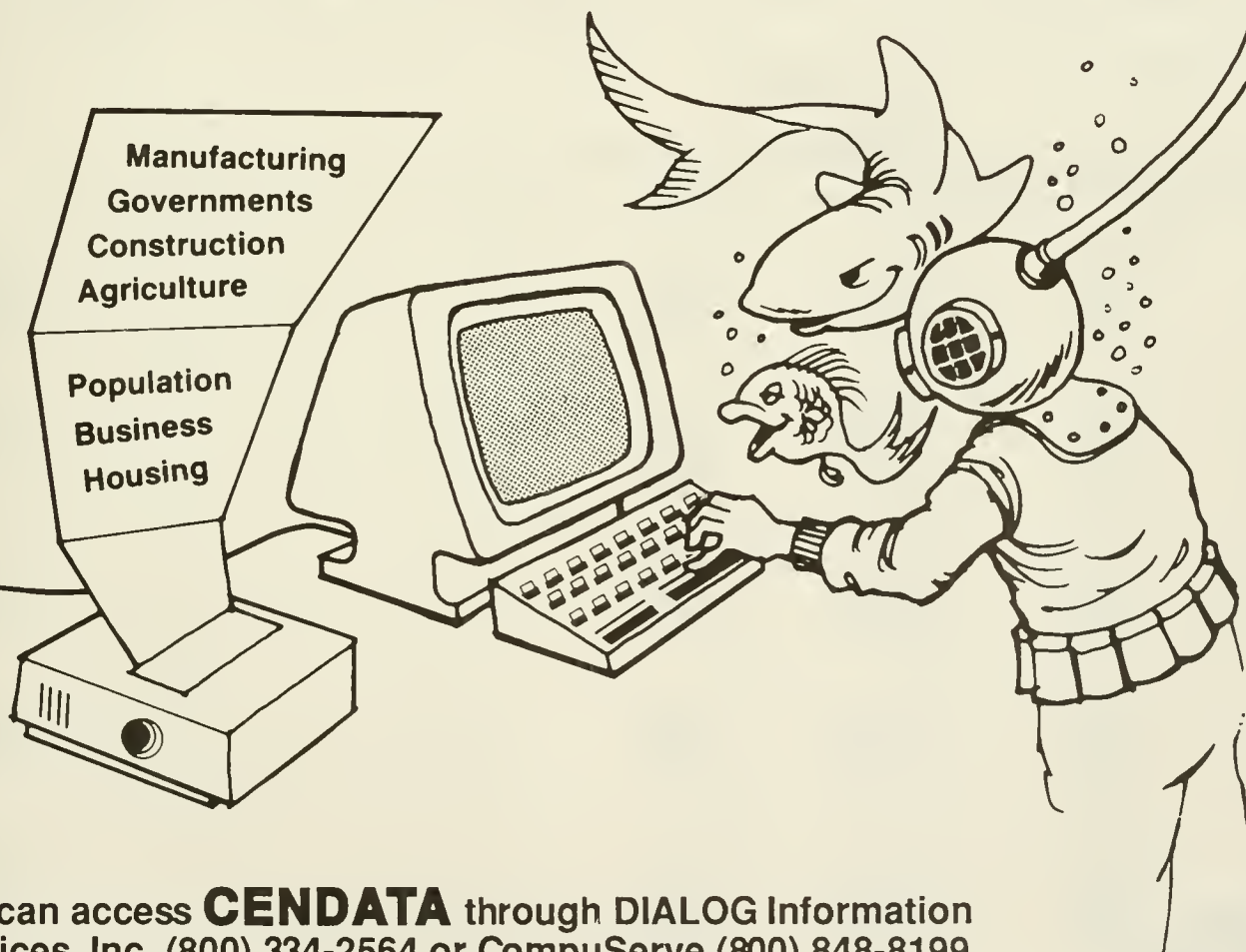


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CURRENT INDUSTRIAL REPORTS

## Broadwoven Fabrics (Gray)

FOURTH QUARTER 1991

MQ22T(91)-4  
Issued March 1992

The statistics in this publication are based on a survey of manufactures and represent total U.S. production of broadwoven fabrics over 12 inches. Estimates are included for companies whose reports were not received in time

for tabulation. A description of the survey methodology and related information may be found in the first quarter 1991 report, MQ22T(91)-1, issued July 1991.

This report is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100.

Table 1. SUMMARY OF PRODUCTION OF BROADWOVEN GRAY FABRICS, BY TYPE OF FABRIC: 1986 TO 1991  
(Millions of square yards)

Year	Chiefly cotton fabrics	Manmade fiber fabrics, including silk and manmade/wool blends	Chiefly wool fabric	Tire cord and tire cord fabrics
<b>1991</b>				
Fourth quarter .....	1,093.7	2,757.7	41.5	185.4
Third quarter .....	1,082.3	2,646.3	41.7	175.1
Second quarter .....	1,140.1	2,683.9	48.3	180.8
First quarter .....	1,072.6	2,543.4	38.1	179.8
<b>1990</b>				
Fourth quarter .....	1,048.0	2,700.2	31.4	177.8
Third quarter .....	1,087.3	2,585.9	32.6	172.5
Second quarter .....	1,126.6	2,664.2	38.7	183.3
First quarter .....	1,201.5	2,712.2	38.0	184.7
<b>1989</b>				
Fourth quarter .....	1,105.8	2,714.6	37.0	161.4
Third quarter .....	1,134.3	2,670.0	40.1	172.0
Second quarter .....	1,191.8	2,782.2	50.9	179.3
First quarter .....	1,157.2	2,796.0	48.3	175.7
<b>1988</b>				
Fourth quarter .....	1,052.3	2,847.7	43.9	168.9
Third quarter .....	1,072.2	2,735.6	43.0	169.5
Second quarter .....	1,255.0	2,877.6	53.0	157.7
First quarter .....	1,252.1	2,908.8	50.6	153.8
<b>1987</b>				
Fourth quarter .....	1,178.2	2,945.9	40.9	126.8
Third quarter .....	1,219.1	2,787.7	36.0	122.1
Second quarter .....	1,216.9	2,764.0	45.9	121.9
First quarter .....	1,158.0	2,736.7	46.0	124.5
<b>1986</b>				
Fourth quarter .....	1,129.3	2,785.4	30.2	116.0

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Keith Featherstone (301) 763-2553.

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Table 2. SUMMARY OF PRODUCTION AND LOOM ASSIGNMENTS OF BROADWOVEN GRAY FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1991		Third quarter 1991		Production, year-to-date (M sq. yards)
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)	
	Cotton and chiefly cotton fabrics mixed mainly or solely with manmade fibers . . . . .	30,826	1,093,743	32,114	1,082,256	4,388,652
2211B 00	Plain weaves . . . . .	14,988	518,738	15,878	510,627	2,108,549
2211C 00	Twill weaves . . . . .	7,443	342,662	7,576	339,702	1,329,696
2211D 00	All other weaves except pile . . . . .	3,725	122,970	3,961	117,997	491,305
2211E 00	Pile fabrics . . . . .	4,670	109,373	4,699	113,930	459,102
	Chiefly cotton fabrics mixed mainly or solely with other than manmade fibers . . . . .	(D)	(D)	(D)	(D)	(D)
	Manmade fiber and silk gray broadwoven fabrics . . . . .	59,594	2,757,738	59,786	2,646,253	10,631,367
2221B 00	85 percent or more filament rayon and/or acetate fabrics . . . . .	7,217	184,581	7,249	182,028	722,414
2221C 00	85 percent or more filament fabrics, except rayon and/or acetate . . . . .	16,412	1,294,017	16,428	1,216,511	4,816,616
	85 percent or more spun yarn fabrics, except wool blends . . . . .	27,576	944,691	27,302	905,264	3,719,126
2221D 00	Plain weave, except pile . . . . .	21,426	773,996	21,138	740,036	3,042,371
2221E 00	Twill weave, except pile . . . . .	3,306	107,160	3,355	104,083	436,034
2221F 00	All other weaves, except pile . . . . .	2,844	63,535	2,809	61,145	240,721
2221G 00	Spun/filament yarn combinations . . . . .	(D)	(D)	(D)	(D)	(D)
2221H 10	Pile fabrics . . . . .	723	13,120	761	13,567	51,039
2221H 2X	All other chiefly manmade fiber fabrics, including chiefly manmade fiber blends with wool . . . . .	(D)	(D)	(D)	(D)	(D)
2221H 01	Silk fabrics . . . . .	86	226	88	199	821
	Woolen and worsted fabrics . . . . .	1,982	41,519	1,994	41,697	169,565

(D) Data withheld to avoid disclosing figures for individual companies.

Table 3. SUMMARY OF PRODUCTION OF BROADWOVEN FABRIC BY TEXTILE CATEGORY

(Thousands of square yards)

Product description	Production during quarter		Production year-to-date
	Fourth quarter 1991	Third quarter 1991	
Blue denim . . . . .	183,015	187,850	722,654
All other yarn dyed fabric . . . . .	122,055	119,779	480,568
Plain weave . . . . .	26,264	25,080	100,181
Twill weave . . . . .	32,137	30,926	128,199
All other weave . . . . .	63,654	63,773	252,188
Cheesecloth and batistes . . . . .	266,414	284,440	1,147,620
Duck . . . . .	(D)	(D)	(D)
Oxfords . . . . .	20,544	21,170	88,262
Pile fabrics . . . . .	122,493	127,497	510,141
Special weave fabric . . . . .	83,313	81,499	328,683
Print cloth . . . . .	110,985	90,248	374,861
Poplin and broadcloth . . . . .	16,601	17,186	70,970
Sheeting . . . . .	156,326	145,797	604,964
Twills . . . . .	128,386	120,647	480,616
Sateens . . . . .	11,110	7,203	40,112
Manmade/wool blends . . . . .	(D)	(D)	(D)
Typewriter fabric . . . . .	26,018	24,803	99,925
Other nylon . . . . .	108,300	99,090	399,265
Rayon and acetate . . . . .	184,581	182,028	722,414
Polyester . . . . .	182,910	176,514	692,354
Glass fiber . . . . .	80,655	92,133	349,615
All other . . . . .	896,134	823,971	3,275,457
85 percent or more spun yarn fabrics . . . . .	819,640	783,715	3,255,106
Print cloth . . . . .	194,552	168,009	741,489
Poplin and broadcloth . . . . .	135,211	131,561	568,485
Sheeting . . . . .	374,855	374,650	1,486,668
Twills and sateens . . . . .	115,022	109,495	458,464
Spun filament combinations except blue denim . . . . .	300,708	309,445	1,244,238
Print cloth . . . . .	83,956	84,436	364,770
Poplin and broadcloth . . . . .	57,357	59,927	226,416
Sheeting . . . . .	33,472	30,318	143,852
Twills and sateens . . . . .	23,887	25,561	95,030
Other . . . . .	102,036	109,203	414,170
Wool fabrics . . . . .	41,519	41,697	169,565
Silk fabrics . . . . .	226	199	821

(D) Data withheld to avoid disclosing figures for individual companies.



**Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1991		Third quarter 1991	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
2211B 02	Tobacco, cheese, and bandage cloth . . . . .	3,431	273,369	3,810	293,855
2221D 03	More than 50 percent cotton . . . . .	2,871	220,252	3,359	240,620
2221D 04	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
2221D 05	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
	Spun-filament combinations . . . . .	(D)	(D)	(D)	(D)
2211B 05	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 04	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	Print cloth . . . . .	14,637	389,496	14,836	342,715
2211B 12	More than 50 percent cotton . . . . .	6,511	110,988	6,793	90,270
2221D 13	Chiefly spun polyester mixed with cotton . . . . .	5,097	152,356	4,792	125,995
2221D 15	Chiefly spun polyester mixed with rayon . . . . .	(D)	(D)	(D)	(D)
2221D 18	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
2221D 18	All other fabrics, 85 percent or more spun yarn . . . . .	385	17,691	495	18,934
	Spun/filament combinations . . . . .	1,445	83,956	1,546	84,436
2211B 14	Chiefly cotton . . . . .	-	-	-	-
2221G 07	Chiefly manmade . . . . .	1,445	83,956	1,546	84,436
	Poplin and broadcloth . . . . .	5,984	231,545	6,265	229,576
	More than 50 percent cotton . . . . .	406	19,558	528	18,959
	Weighing 5.9 ounces or less per square yard . . . . .	358	15,825	458	14,118
2211B 21	Carded . . . . .	149	5,012	134	4,334
2211B 25	Combed . . . . .	209	10,813	324	9,784
2211B 30	Weighing more than 5.9 ounces per square yard . . . . .	48	3,733	70	4,841
	Chiefly spun polyester mixed with cotton . . . . .	3,762	128,980	3,933	128,011
	Weighing 5.0 ounces or less per square yard . . . . .	3,482	115,435	3,674	114,979
2221D 23	Carded . . . . .	2,801	80,861	2,891	77,152
2221D 25	Combed . . . . .	681	34,574	783	37,827
	Weighing more than 5.0 ounces per square yard . . . . .	280	13,545	259	13,032
2221D 27	Carded . . . . .	(D)	(D)	(D)	(D)
2221D 31	Combed . . . . .	(D)	(D)	(D)	(D)
2221D 33	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
2221D 34	All other fabrics, 85 percent or more spun yarn . . . . .	438	18,387	390	15,591
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211B 35	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 19	Chiefly manmade . . . . .	942	57,357	1,043	59,927
	Lawns, voiles, and batistes . . . . .	93	1,237	139	3,042
2211B 41	More than 50 percent cotton . . . . .	(D)	(D)	(D)	(D)
2221D 41	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
2221D 44	Chiefly spun rayon and/or acetate . . . . .	-	-	-	-
2221D 42	All other fabrics, 85 percent or more spun yarn . . . . .	-	-	-	-
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211B 43	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 28	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	Duck, including taped warp duck . . . . .	624	12,851	737	14,907
2211B 71	More than 50 percent cotton . . . . .	279	6,008	396	7,805
2221D 89	Chiefly spun polyester mixed with cotton . . . . .	168	2,838	176	2,757
2221D 91	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211B 75	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221B 77	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	Bedsheeting . . . . .	11,356	436,825	11,319	430,240
2211B 45	More than 50 percent cotton . . . . .	3,035	94,063	2,921	94,330
	Chiefly spun polyester mixed with cotton . . . . .	7,369	297,026	7,476	295,184
2221D 43	Carded . . . . .	1,193	73,267	1,323	81,680
2221D 45	Combed . . . . .	6,176	223,759	6,153	213,504
2221D 46	Chiefly spun rayon and/or acetate . . . . .	-	-	-	-
2221D 47	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211B 47	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 33	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	All other sheeting, including osenburgs . . . . .	3,397	131,713	3,247	124,681
	More than 50 percent cotton . . . . .	1,462	51,563	1,447	42,855
2211B 61	Weighing 5.9 ounces or less per square yard . . . . .	1,110	36,480	1,051	25,772
	Weighing more than 5.9 ounces per square yard . . . . .	352	15,083	396	17,083
2211B 63	Blanketing . . . . .	218	10,794	222	11,458
2211B 65	All other fabric . . . . .	134	4,289	174	5,627
2221D 63	85 percent or more spun polyester . . . . .	196	6,449	153	5,939
2221D 65	Blanketing . . . . .	(D)	(D)	(D)	(D)
	All other fabric . . . . .	(D)	(D)	(D)	(D)
	Chiefly spun polyester mixed with cotton . . . . .	1,331	55,799	1,224	56,047
2221D 73	Weighing 5.0 ounces or less per square yard . . . . .	1,104	46,276	988	46,931
2221D 75	Weighing more than 5.0 ounces per square yard . . . . .	227	9,523	236	9,116
	Chiefly spun acrylic . . . . .	143	6,678	190	10,317
2221D 81	Blanketing . . . . .	(D)	(D)	(D)	(D)
2221D 83	All other fabric . . . . .	(D)	(D)	(D)	(D)
2221D 84	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
2221D 85	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211B 67	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 45	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)

See footnotes at end of table.



**Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS—Continued**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1991		Third quarter 1991	
		Looms operating and of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Blue denim . . . . .	3,337	183,015	3,340	187,850
2211C 01	More than 50 percent cotton . . . . .	3,214	176,197	3,235	182,934
2211C 03	Weighing 10.7 ounces or less per square yard . . . . .	383	18,117	389	18,906
2221E 03	Weighing more than 10.7 ounces per square yard . . . . .	2,831	158,080	2,846	164,028
	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211G 05	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 46	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	All other denim . . . . .	859	42,564	833	39,308
	More than 50 percent cotton . . . . .	798	40,482	764	36,623
2211C 11	Weighing 10.7 ounces or less per square yard . . . . .	66	3,945	71	3,622
2211C 13	Weighing more than 10.7 ounces per square yard . . . . .	732	36,537	693	33,001
2221E 13	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
	Spun filament combinations . . . . .	(D)	(D)	(D)	(D)
2211C 15	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221C 18	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211C 21	Canton flannels . . . . .	428	5,938	403	5,168
	All other twill weaves . . . . .	8,591	236,667	6,832	230,823
	More than 50 percent cotton . . . . .	113,341	2,812	2,950	108,284
2211C 31	Weighing 5.9 ounces or less per square yard . . . . .	1,033	35,067	1,082	33,394
2211C 33	Weighing more than 5.9 ounces per square yard . . . . .	1,778	78,274	1,868	74,890
2221E 21	85 percent or more spun polyester . . . . .	95	5,271	90	4,228
2221E 23	Chiefly spun polyester mixed with cotton . . . . .	2,298	85,219	2,231	78,793
2221E 25	Weighing 5.0 ounces or less per square yard . . . . .	715	14,065	581	11,672
2221E 26	Weighing more than 5.0 ounces per square yard . . . . .	1,581	71,154	1,650	67,121
2221E 27	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
	All other fabrics, 85 percent or more spun yarn . . . . .	478	9,765	582	12,703
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211C 35	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221C 39	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	Sateena . . . . .	1,009	26,574	911	20,324
2211D 05	More than 50 percent cotton . . . . .	195	9,983	220	6,202
2221F 05	Chiefly spun polyester mixed with cotton . . . . .	219	6,004	165	4,258
2221F 06	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
2221F 07	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations . . . . .	515	8,707	458	8,625
2211D 07	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 05	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	Oxfords . . . . .	1,093	51,157	1,089	50,131
2211D 11	More than 50 percent cotton . . . . .	712	39,576	698	38,878
2221F 11	Chiefly spun polyester mixed with cotton . . . . .	162	6,088	173	5,602
2221F 17	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211D 13	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 68	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211D 31	Birdseye diaper cloth . . . . .	(D)	(D)	(D)	(D)
2211D 35	Huck and crash toweling . . . . .	(D)	(D)	(D)	(D)
	Table damask . . . . .	302	12,293	328	13,495
2211D 45	More than 50 percent cotton . . . . .	(D)	(D)	(D)	(D)
2221F 32	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
2221F 37	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
2221G 82	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211D 07	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 82	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	Jacquard and dobby shirting fabrics . . . . .	509	9,011	540	8,517
2211D 51	More than 50 percent cotton . . . . .	63	2,229	54	1,770
2221F 41	Chiefly spun polyester mixed with cotton . . . . .	284	3,386	231	2,342
2221F 43	All other fabric, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211D 53	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 84	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	All other weaves . . . . .	5,997	157,836	6,552	160,547
	More than 50 percent cotton . . . . .	1,550	36,264	1,852	34,884
2211D 62	Weighing 5.9 ounces or less per square yard . . . . .	368	14,353	715	13,604
2211D 64	Weighing more than 5.9 ounces per square yard . . . . .	*1,182	*21,911	*1,137	*21,280
2221F 52	85 percent or more spun polyester . . . . .	329	6,564	261	5,798
	Chiefly spun polyester mixed with cotton . . . . .	603	8,006	619	8,274
2221F 54	Weighing 5.0 ounces or less per square yard . . . . .	*156	3,787	*174	4,040
2221F 56	Weighing more than 5.0 ounces per square yard . . . . .	447	4,219	*445	4,234
2221F 58	All other fabrics, 85 percent or more spun yarn . . . . .	788	16,612	797	17,042
	Spun/filament combinations . . . . .	2,727	90,390	3,023	94,549
2211D 66	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 87	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report for this series, MQ22T(91)-1, issued July 1991, for a discussion of estimation of missing reports): \*10 to 25 percent of this item is estimated. \*More than 25 percent of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies

\*Revised by 5 percent or more from previously published figures



**Table 5. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE FILAMENT YARN FABRICS**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1991		Third quarter 1991	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	85 percent or more filament yarn fabrics.....	23,650	1,479,161	23,698	1,399,011
	High tenacity yarn fabrics.....	836	25,588	860	21,309
2221B 02	100 percent and chiefly rayon.....	(D)	(D)	(D)	(D)
2221C 02	100 percent and chiefly nylon.....	(D)	(D)	(D)	(D)
2221C 04	100 percent and chiefly polyester.....	136	10,764	157	8,235
2221C 07	85 percent more filament yarn fabric obtained from strip or the like except rayon and/or acetate.....	(D)	(D)	(D)	(D)
	85 percent or more filament rayon, acetate and/or triacetate filament yarn fabrics.....	4,928	141,038	4,992	139,047
	Weighing not more than 5 ounces per square yard..	4,112	121,387	4,110	118,469
2221B 11	Plain weave.....	2,848	86,205	2,913	86,214
2221B 13	Other weaves.....	1,264	35,182	1,197	32,255
	Weighing more than 5 ounces per square yard.....	816	19,651	882	20,578
2221B 15	Plain weave.....	(D)	(D)	(D)	(D)
2221B 17	Other weaves.....	(D)	(D)	(D)	(D)
	Other chiefly rayon and/or acetate filament yarn fabrics.....	1,806	38,263	1,766	38,225
2221B 32	Weighing not more than 5 ounces per square yard..	693	11,808	724	12,013
2221B 35	Weighing more than 5 ounces per square yard.....	1,113	26,455	1,042	26,212
	85 percent or more nylon filament yarn fabrics.....	3,578	122,941	3,396	113,755
2221C 11	Typewriter and other impression fabrics.....	794	26,018	762	24,803
	Other 85 percent or more nylon filament yarn fabrics.....	2,784	96,923	2,634	88,952
	Weighing not more than 5 ounces per square yard.....	2,508	83,273	2,347	75,824
2221C 14	Flat, non-textured.....	2,315	76,201	2,166	68,475
2221C 16	All other.....	193	7,072	181	7,349
	Weighing more than 5 ounces per square yard....	276	13,650	287	13,128
2221C 22	Flat, non-textured.....	164	2,270	165	2,263
2221C 24	All other.....	112	11,380	122	10,865
	Other chiefly nylon filament fabrics.....	251	1,833	240	1,820
2221C 32	Weighing not more than 5 ounces per square yard..	(D)	(D)	(D)	(D)
2221C 34	Weighing more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)
	85 percent or more polyester filament yarn fabrics....	5,772	168,964	5,829	164,215
	Textured.....	4,160	121,922	4,269	119,396
2221C 42	Weighing not more than 5 ounces per square yard <sup>1</sup> .....	2,214	62,729	2,263	61,227
2221C 44	Flat.....	(D)	(D)	(D)	(D)
2221C 45	Other.....	(D)	(D)	(D)	(D)
	Weighing more than 5 ounces per square yard <sup>1</sup> ...	1,946	59,193	2,006	58,169
	Non-textured.....	1,612	47,042	1,560	44,819
2221C 50	Weighing not more than 5 ounces per square yard <sup>1</sup> .....	960	27,136	916	23,061
2221C 55	Weighing more than 5 ounces per square yard <sup>1</sup> ...	652	19,906	744	21,758
2221C 62	Other chiefly polyester filament fabrics.....	224	3,182	227	4,064
	Glass fiber fabrics.....	2,444	80,655	2,516	92,133
2221C 72	Woven roving and screening.....	86	9,090	114	13,562
2221C 74	All other glass fiber fabrics.....	2,358	71,565	2,402	78,571
	All other 85 percent or more filament yarn fabrics, including saran and olefin.....	3,790	896,134	3,851	823,971
	Carpet backing.....	2,789	818,485	2,812	734,801
2221C 80	Woven synthetic (including olefin).....	(D)	(D)	(D)	(D)
2221C 83	Jute and other backing.....	(D)	(D)	(D)	(D)
2221C 84	All other.....	1,001	77,649	1,039	89,170

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Revised by 5 percent or more from previously published figures.<sup>1</sup>Classified on a finished weight basis.



**Table 6. PRODUCTION AND LOOM ASSIGNMENT OF PILE FABRICS (INCLUDES YARN DYED FABRIC)**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1991		Third quarter 1991	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Pile fabrics .....	5,393	122,493	5,460	127,497
	Corduroy .....	637	6,319	682	9,332
2211E 01	More than 50 percent cotton .....	(D)	(D)	(D)	(D)
2211E 03	Finewales and pinwales .....	365	2,972	335	3,882
2211E 06	Midwales .....	(D)	(D)	(D)	(D)
2221H 01	Widewales and other .....	172	1,768	232	3,130
	Chiefly manmade fiber .....	(D)	(D)	(D)	(D)
	Velvets, plushes, and other pile fabrics .....	764	13,668	782	14,025
2211E 21	More than 50 percent cotton .....	(D)	(D)	(D)	(D)
2221H 11	Chiefly manmade fiber .....	(D)	(D)	(D)	(D)
	Terry cloth and terry toweling .....	3,992	102,506	3,996	104,140
2211E 32	Terry toweling .....	3,860	99,789	3,846	100,773
2211E 34	Terry cloth .....	132	2,717	150	3,367

(D) Data withheld to avoid disclosing figures for individual companies.

**Table 7. PRODUCTION AND LOOM ASSIGNMENT OF WOOLEN AND WORSTED FABRICS, INCLUDING CHIEFLY MANMADE/WOOL BLENDS AND CHIEFLY COTTON/WOOL BLENDS**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1991		Third quarter 1991	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Woolen and worsted fabrics, 36 percent or more wool (except felts) <sup>1</sup> .....	1,982	41,519	1,994	41,697
	Apparel fabrics, including government orders .....	1,850	39,447	1,859	39,592
	Worsted fabrics .....	1,096	23,522	1,093	23,091
22312 01	Weighing not more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
22312 02	Weighing more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
	Woolen fabrics .....	754	15,925	766	16,501
22312 21	Weighing not more than 9 ounces per square yard .....	(D)	(D)	(D)	(D)
22312 23	Weighing more than 9 ounces per square yard .....	(D)	(D)	(D)	(D)
	Nonapparel fabrics, including government orders (except felts) ..	132	2,072	135	2,105
22312 62	Blanketing, including thermal .....	(D)	(D)	(D)	(D)
22312 61	Upholstery fabric .....	(D)	(D)	(D)	(D)
22312 85	All other fabrics .....	<sup>b</sup> 88	<sup>b</sup> 891	<sup>b</sup> 93	<sup>b</sup> 1,033
22312 92	Woven felts (thousands of pounds) .....	149	1,528	148	1,418
	Chiefly manmade/wool blend and chiefly cotton/wool blend fabrics .....	(D)	(D)	(D)	(D)
	Chiefly spun polyester mixed mainly or solely with wool .....	(D)	(D)	(D)	(D)
2221H 21	Woolen .....	(D)	(D)	(D)	(D)
	Worsted .....	(D)	(D)	(D)	(D)
2221H 25	Weighing not more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
2221H 27	Weighing more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
2221H 32	All other chiefly spun fibers mixed mainly or solely with wool ..	(D)	(D)	(D)	(D)
	Chiefly filament polyester mixed mainly or solely with wool or spun polyester/wool blends (less than 36 percent wool) .....	(D)	(D)	(D)	(D)
2221H 51	Woolen .....	(D)	(D)	(D)	(D)
	Worsted .....	(D)	(D)	(D)	(D)
2221H 53	Weighing not more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
2221H 55	Weighing more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
2221H 63	All other chiefly filament yarn mixed mainly or solely with wool ..				

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the first quarter report in this series, MQ22T(91)-1, issued July 1991, for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>26 to 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. figures.

<sup>1</sup>Includes fabrics 36 percent or more wool or reprocessed wool by weight. 1986 and prior years include fabrics 50 percent or more wool or reprocessed wool by weight.



**Table 8. PRODUCTION AND LOOM ASSIGNMENT OF UPHOLSTERY FABRICS**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1991		Third quarter 1991	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Upholstery fabrics . . . . .	3,821	94,798	3,977	99,064
	85 percent or more spun yarn and spun filament combinations . .	3,112	75,260	3,220	80,349
	Pile woven . . . . .	686	17,449	'699	18,330
2211E 41	All cotton and chiefly cotton . . . . .	32	209	'36	'297
2221H 41	All manmade and chiefly manmade . . . . .	654	17,240	663	18,033
	Flat woven . . . . .	2,426	57,811	2,521	62,019
2211X 01	All cotton and chiefly cotton . . . . .	799	22,981	838	22,181
	All manmade and chiefly manmade . . . . .	1,627	34,830	1,683	39,838
2221X 01	Olefin . . . . .	364	8,097	362	8,525
2221X 03	All other flat woven manmade fiber fabrics . . . . .	1,263	26,733	1,321	31,313
	85 percent or more filament yarn . . . . .	709	19,538	757	18,715
2221X 01	All polyester and chiefly polyester . . . . .	280	6,373	335	6,718
2221X 03	All nylon and chiefly nylon . . . . .	(D)	(D)	(D)	(D)
2221X 05	All olefin and chiefly olefin . . . . .	300	10,596	304	9,872
2221X 07	All other filament fiber fabrics . . . . .	(D)	(D)	(D)	(D)

These data are included in the data shown in tables 4, 5, and 6.

(D) Data withheld to avoid disclosing figures for individual companies. 'Revised by 5 percent or more from previously published figures.

**Table 9. PRODUCTION OF TIRE CORD AND TIRE CORD FABRICS**

(Thousands of pounds)

Product code	Product description	Production during quarter	
		Fourth quarter 1991	Third quarter 1991
22960 00	Tire cord and tire cord fabrics . . . . .	185,351	175,065
22960 12	Cotton tire cord and tire cord fabrics . . . . .	-	-
22960 32	Rayon tire cord and tire cord fabrics . . . . .	933	'482
22960 35	Nylon tire cord and tire cord fabrics . . . . .	35,206	35,502
22960 37	Polyester tire cord and tire cord fabrics . . . . .	41,350	42,436
22960 38	Glass tire cord and tire cord fabrics . . . . .	213	174
22960 45	Steel tire cord . . . . .	104,464	93,867
22960 49	All other tire cord and tire cord fabrics including chafer . . . . .	3,185	2,604

- Represents zero. 'Revised by 5 percent or more from previously published figures.

**Table 10. LOOMS IN PLACE AND LOOM HOURS OPERATED IN BROADWOVEN FABRIC MILLS**

Product description	Fourth quarter 1991		Third quarter 1991	
	Looms in place (number)	Thousands of loom hours operated	Looms in place (number)	Thousands of loom hours operated
Total . . . . .	98,835	167,325	100,235	169,115
Shuttle type looms . . . . .	34,027	53,231	35,024	55,459
Single shuttle cam looms . . . . .	23,180	37,034	24,309	38,118
Single shuttle dobby looms . . . . .	6,157	10,606	6,517	11,735
Multiple shuttle box or head motion looms . . . . .	3,034	3,380	2,529	3,542
Double shuttle pile and plush, and jacquard looms . . . . .	1,656	2,211	1,669	2,064
Shuttleless looms and weaving machines . . . . .	64,808	114,094	65,211	113,656
Single filling insertion capability . . . . .	38,211	71,612	38,226	70,895
Air jet looms . . . . .	15,188	28,364	15,275	28,760
Water jet looms . . . . .	5,909	11,125	5,852	10,510
Projectile looms . . . . .	12,254	23,689	12,221	23,328
Rapier looms . . . . .	4,860	8,434	4,878	8,297
Multiple filling insertion capability . . . . .	26,046	41,802	26,300	41,904
Air jet looms . . . . .	(D)	(D)	(D)	(D)
Water jet looms . . . . .	(D)	(D)	(D)	(D)
Projectile looms . . . . .	10,912	18,303	11,077	18,663
Rapier looms . . . . .	12,102	17,366	12,103	17,507
Pile and plush looms . . . . .	551	680	'685	'857

(D) Data withheld to avoid disclosing figures for individual companies. 'Revised by 5 percent or more from previously published figures.



**Table 11. PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF BROADWOVEN FABRICS: FOURTH QUARTER 1991**

(Quantity in thousands of square yards; value in thousands of dollars)

Product description	Manufacturers' shipments <sup>1</sup> (quantity)	Imports for consumption <sup>2</sup>		Percent imports to manufacturers' shipments (quantity)	Exports of domestic merchandise <sup>4</sup>		Percent exports to manufacturers' shipments (quantity)	Apparent consumption <sup>5</sup>
		Quantity	Value <sup>3</sup>		Quantity	Value		
Cotton fabrics <sup>6</sup> .....	1,093,754	395,956	388,983	36.2	(NA)	(NA)	(NA)	(NA)
Cheesecloth and batistes .....	(D)	10,218	7,023	(D)	8,525	13,178	(D)	(D)
Print cloth .....	110,985	100,111	64,580	90.2	1,261	2,380	1.1	209,835
Poplin and broadcloth .....	16,601	57,043	47,537	343.6	8,110	11,447	36.8	67,534
Weighing 5.9 ounces or less per square yard .....	14,298	58,764	46,323	397.0	2,356	5,471	16.5	68,706
Weighing more than 5.9 ounces per square yard .....	2,303	279	1,214	12.1	3,754	5,976	(NA)	(NA)
Duck, including tape warp .....	8,221	25,530	22,339	410.4	3,702	8,351	59.5	28,049
Sheeting .....	158,328	94,794	72,846	60.6	4,234	9,011	2.7	248,886
Twills and sateens .....	140,697	58,303	70,708	40.0	5,574	12,020	4.0	191,426
Oxfords .....	12,600	1,475	3,765	11.7	(NA)	(NA)	(NA)	(NA)
All other constructions .....	52,815	15,719	21,013	29.8	(NA)	(NA)	(Z)	(NA)
Blue Denim .....	(D)	12,696	23,321	(D)	14,380	34,537	(D)	(D)
Yarn dyed fabric .....	88,525	21,079	51,658	24.4	7,522	12,721	8.7	100,082
Pile fabrics, including yarn dyed .....	109,373	987	4,193	0.9	1,507	5,221	1.4	108,854
Manmade fiber fabrics .....	2,757,738	181,707	372,192	8.8	69,074	123,067	2.5	2,870,371
85% or more filament yarn fabrics .....	1,478,598	74,394	131,859	5.0	35,238	78,024	2.4	1,517,756
Nylon and polyester high tenacity fabric .....	20,308	3,538	6,796	17.4	8,293	13,109	31.0	17,552
Rayon high tenacity fabric .....	5,280	253	594	4.8	885	2,370	16.8	4,648
Typewriter fabric .....	28,018	43	71	(Z)	(NA)	(NA)	(NA)	(NA)
Rayon or acetate filament yarn fabrics .....	179,301	4,714	9,537	2.6	2,569	8,300	1.4	181,446
Polyester filament yarn fabric .....	172,148	49,839	92,392	29.0	14,080	22,631	8.2	207,905
Glass fiber fabric .....	80,655	7,325	9,925	9.1	(NA)	(NA)	(NA)	(NA)
Nylon filament yarn fabric .....	98,756	7,885	10,631	8.0	3,367	9,918	3.4	103,274
All other filament yarn fabric .....	896,134	796	1,913	(Z)	8,042	21,696	0.9	888,888
85 percent or more spun yarn fabric .....	957,811	69,980	85,889	7.3	22,048	9,358	2.3	1,005,743
Cheesecloth and batistes .....	45,783	1,808	1,691	4.0				
Poplin broadcloth .....	135,211	23,615	19,265	17.5				
Polyester/cotton .....	112,283	20,905	15,059	18.6				
Weighing 5.0 ounces or less per square yard .....	99,320	20,559	14,509	20.7				
Weighing more than 5.0 ounces per square yard .....	12,963	346	550	2.7				
All other spun yarns .....	22,928	2,711	4,206	11.8				
Print cloth .....	194,552	17,330	9,021	8.9				
Polyester/cotton .....	152,358	13,012	6,359	8.5				
All other spun yarns .....	42,196	4,319	2,662	10.2				
Duck .....	(D)	309	724	(D)				
Sheeting .....	374,855	5,176	4,773	1.4	21,107	4,226	(NA)	(NA)
Polyester/cotton .....	(D)	3,960	2,626	(D)				
Weighing 5.0 ounces or less per square yard .....	(D)							
Weighing more than 5.0 ounces per square yard .....	(D)	3,960	2,626	41.9				
All other spun yarn .....	(D)	1,217	2,147	(D)				
Sateens or twills .....	115,022	9,177	11,687	8.0				
Oxford .....	7,944	3	19	(Z)				
All other spun manmade fiber fabrics .....	29,295	2,052	6,043	7.0				
Yarn dyed fabric .....	36,744	9,554	27,292	26.0				
Pile fabrics .....	13,120	954	5,374	7.3	941	5,132	7.2	13,133
Spun/filament yarn combinations, including yarn dyed .....	(D)	25,635	50,692	(D)	11,218	33,340	(D)	(D)
Chiefly manmade/wool blends .....	(D)	4,354	15,654	(D)	(NA)	(NA)	(NA)	(NA)
Silk fabrics: .....	226	7,344	88,098	3,249.8	572	4,345	253.1	6,999
Wool fabrics .....	41,519	6,918	71,082	16.7	839	4,508	2.0	47,596
Chiefly cotton fabrics blended with wool and other vegetable fibers and other vegetable fiber fabrics .....	(D)	8	157	(D)	(NA)	(NA)	(D)	(D)

Note: Fabric blends as shown in Current Industrial Reports Series MQ22T are reported based on the chief weight of the fiber whereas fabric blends as shown for imports and exports are based on the chief value of the fiber.

(D) Data withheld to avoid disclosing figures for individual companies. (NA) Not available. (Z) Less than one half of one percent.

<sup>1</sup>Represents production of gray broadwoven fabrics; import and export data represent gray as well as finished broadwoven fabrics. For a comparison of Standard Industrial Classification (SIC) based product codes with Schedule B export numbers and HTSUSA import numbers, see table 12 in the first quarter report for this series MQ22T(91)-1, issued July 1991. <sup>2</sup>Source: Bureau of the Census Report IM 145, *U.S. Imports for Consumption*. <sup>3</sup>This dollar value represents the c.i.f. (cost, insurance, and freight) at the first port of entry in the United States plus calculated import duty. <sup>4</sup>Source: Bureau of the Census Report EM 545, *U.S. Exports*. <sup>5</sup>Apparent consumption represents new domestic supply and is derived by subtracting exports from the total manufacturers' shipments plus imports. <sup>6</sup>Includes all cotton and chiefly cotton mixed with manmade fiber.



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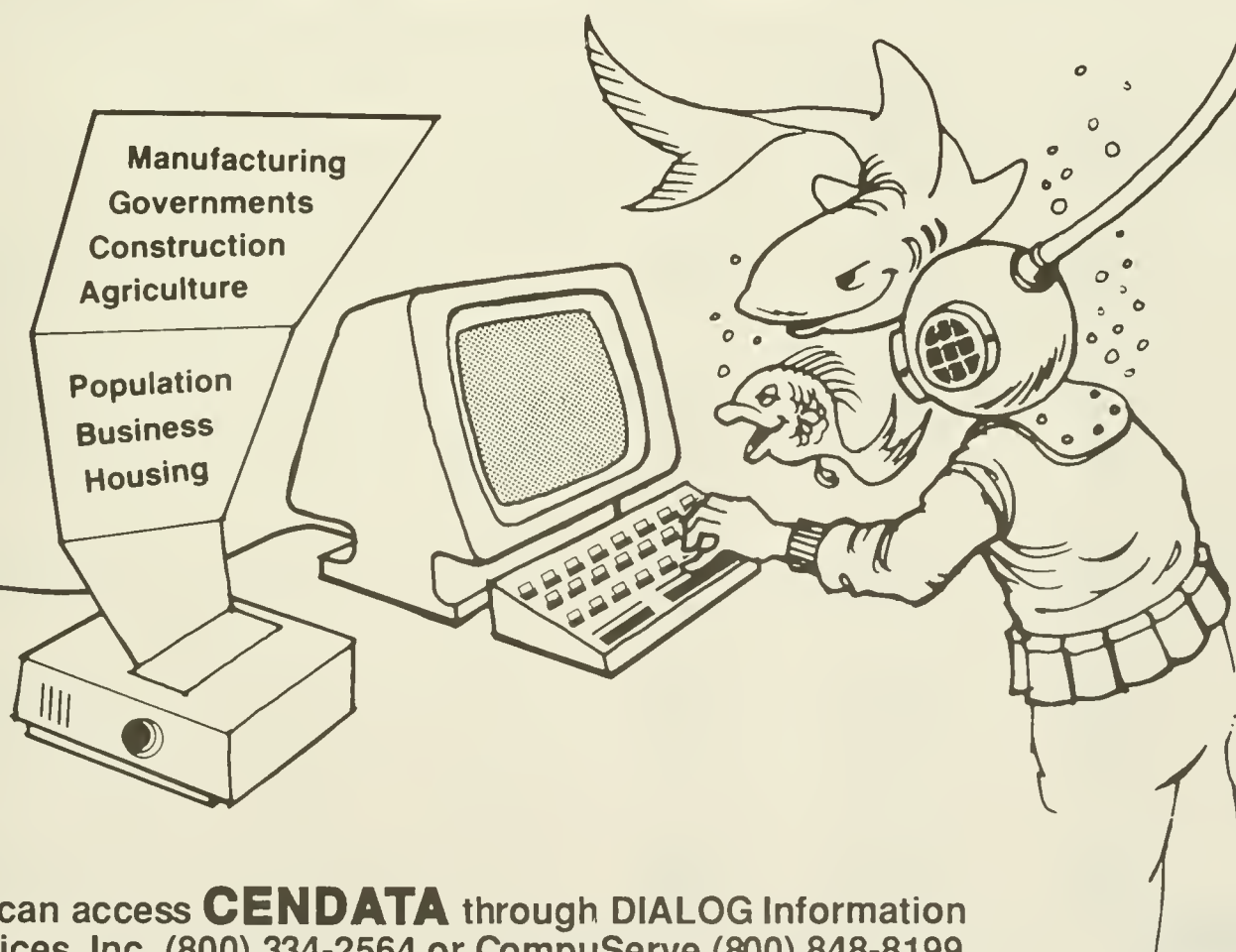


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## Broadwoven Fabrics (Gray)

DEC 8 1992

## SUMMARY FOR 1991

MQ22T(91)-5  
Issued September 1992

## SUMMARY OF FINDINGS

Production of cotton broadwoven goods decreased by 1.4 percent from 1990 levels. In 1991, 4,403.5 million square yards were produced, and in 1990, 4,463.4 million square yards were produced.

Production of manmade fiber fabrics decreased 0.5 percent in 1991 from 1990 levels. In 1991, 10,614.6 million square yards were produced, and in 1990, 10,662.6 million square yards were produced.

Production of woolen and worsted fabrics increased 20.5 percent in 1991 from 1990 levels. In 1991, 169.9 million square yards were produced, and in 1990, 140.7 million square yards were produced.

Production of 85 percent or more filament yarn fabrics increased 2.9 percent from 1990, and production of 85 percent or more spun yarn fabrics decreased 3.1 percent from 1990.

A description of the survey methodology and related information appears on page 30.

Table 1. SUMMARY OF PRODUCTION OF BROADWOVEN GRAY FABRICS, BY TYPE OF FABRIC: 1987 TO 1991

(Millions of square yards)

Quarter and Year	Chiefly cotton fabrics	Manmade fiber fabrics, including silk and manmade/wool blends	Chiefly wool fabric	Tire cord and tire cord fabrics
<b>1991</b>				
Fourth quarter .....	1,093.3	2,751.1	41.5	186.2
Third quarter .....	1,081.6	2,644.7	41.4	175.1
Second quarter .....	1,147.9	2,675.6	48.7	180.8
First quarter .....	1,080.7	2,543.2	38.0	178.6
<b>1990</b>				
Fourth quarter .....	1,048.0	2,700.2	31.4	177.8
Third quarter .....	1,087.3	2,585.9	32.6	172.5
Second quarter .....	1,126.6	2,664.2	38.7	183.3
First quarter .....	1,201.5	2,712.2	38.0	184.7
<b>1989</b>				
Fourth quarter .....	1,105.8	2,714.6	37.0	161.4
Third quarter .....	1,134.3	2,670.0	40.1	172.0
Second quarter .....	1,191.8	2,782.2	50.9	179.3
First quarter .....	1,157.2	2,796.0	48.3	175.7
<b>1988</b>				
Fourth quarter .....	1,052.3	2,847.7	43.9	168.9
Third quarter .....	1,072.2	2,735.6	43.0	169.5
Second quarter .....	1,255.0	2,877.6	53.0	157.7
First quarter .....	1,252.1	2,908.8	50.6	153.8
<b>1987</b>				
Fourth quarter .....	1,178.2	2,945.9	40.9	126.8
Third quarter .....	1,219.1	2,787.7	36.0	122.1
Second quarter .....	1,216.9	2,764.0	45.9	121.9
First quarter .....	1,158.0	2,736.7	46.0	124.5

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Keith Featherstone, (301) 763-2553.

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**Table 2. SUMMARY OF PRODUCTION AND LOOM ASSIGNMENTS OF BROADWOVEN GRAY FABRICS: 1991**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Looms operating end of year	Production				
			Total	First quarter	Second quarter	Third quarter	Fourth quarter
	Cotton and chiefly cotton fabrics mixed mainly or solely with manmade fibers .....	30,604	4,403,475	1,080,738	1,147,867	1,081,561	1,093,309
2211B 00	Plain weaves .....	14,606	2,105,048	528,829	559,768	505,854	510,597
2211C 00	Twill weaves .....	7,589	1,348,076	309,910	344,171	343,822	350,173
2211D 00	All other weaves except pile .....	3,739	491,292	125,747	124,381	117,955	123,209
2211E 00	Pile fabrics .....	4,670	459,059	116,252	119,547	113,930	109,330
	Chiefly cotton fabrics mixed mainly or solely with other than manmade fibers .....	(D)	(D)	(D)	(D)	(D)	(D)
	Manmade fiber and silk gray broadwoven fabrics .....	59,399	10,614,507	2,543,159	2,675,561	2,644,715	2,751,072
2221B 00	85 percent or more filament rayon and/or acetate fabrics .....	6,953	697,758	169,698	174,964	175,292	177,804
2221C 00	85 percent or more filament fabrics, except rayon and/or acetate .....	16,159	4,773,928	1,104,078	1,178,273	1,208,333	1,283,244
	85 percent or more spun yarn fabrics, except wool blends .....	28,180	3,807,979	947,735	964,665	928,477	967,102
2221D 00	Plain weave, except pile .....	21,629	3,124,107	778,632	786,215	760,815	798,445
2221E 00	Twill weave, except pile .....	3,481	445,170	114,040	120,274	106,934	103,922
2221F 00	All other weaves, except pile .....	3,070	238,702	55,063	58,176	60,728	64,735
2221G 00	Spun/filament yarn combinations .....	(D)	(D)	(D)	(D)	(D)	(D)
2221H 10	Pile fabrics .....	723	51,039	10,695	13,657	13,567	13,120
2221H 2X	All other chiefly manmade fiber fabrics, including chiefly manmade fiber blends with wool .....	(D)	(D)	(D)	(D)	(D)	(D)
2221H 01	Silk fabrics .....	86	821	169	227	199	226
	Woolen and worsted fabrics .....	1,906	169,641	38,089	48,679	41,418	41,455

(D) Data withheld to avoid disclosing figures for individual companies.

**Table 3. PRODUCTION OF BROADWOVEN FABRIC BY TEXTILE CATEGORY: 1991**

(Thousands of square yards)

Product description	Production				
	Total	First quarter	Second quarter	Third quarter	Fourth quarter
Blue denim .....	711,074	165,322	179,427	184,978	181,347
All other yarn dyed fabric .....	486,271	112,814	127,150	121,242	125,065
Plain weave .....	103,234	25,310	24,903	25,925	27,096
Twill weave .....	142,301	'30,892	'40,033	'34,868	'36,508
All other weave .....	240,736	56,612	62,214	'60,449	61,461
Cheesecloth and batistes .....	1,149,846	282,073	315,357	285,096	267,320
Duck .....	(D)	(D)	(D)	(D)	(D)
Oxfords .....	89,807	22,831	24,401	21,215	21,360
Pile fabrics .....	510,098	126,947	133,204	127,497	122,450
Special weave fabric .....	334,460	83,764	81,738	83,286	85,672
Other fabrics, chiefly cotton fiber:					
Print cloth .....	387,533	'84,894	96,358	94,602	111,679
Poplin and broadcloth .....	72,307	22,937	'15,020	17,496	16,854
Sheeting .....	584,933	151,615	151,226	'135,671	'146,421
Twills .....	496,474	114,155	125,428	123,697	133,194
Sateens .....	40,112	12,201	9,598	7,203	11,110
Other fabrics, chiefly manmade fiber:					
Manmade/wool blends .....	(D)	(D)	(D)	(D)	(D)
85 percent or more filament yarn fabrics:					
Typewriter fabric .....	99,925	22,108	26,996	24,803	26,018
Other nylon .....	425,657	'103,824	'102,229	'105,237	'114,367
Rayon and acetate .....	697,758	169,698	174,964	175,292	177,804
Polyester .....	715,832	166,638	177,039	182,774	189,381

See footnotes at end of table.



Table 3. PRODUCTION OF BROADWOVEN FABRIC BY TEXTILE CATEGORY: 1991—Continued

(Thousands of square yards)

Product description	Production				
	Total	First quarter	Second quarter	Third quarter	Fourth quarter
Glass fiber .....	347,263	87,145	89,709	92,161	78,248
All other .....	3,185,251	724,363	782,300	803,358	875,230
85 percent or more spun yarn fabrics:					
Print cloth .....	695,443	'179,289	'176,263	'157,786	'182,105
Poplin and broadcloth .....	596,003	160,009	153,236	'139,063	'143,695
Sheeting .....	1,579,928	'382,914	'399,936	'396,070	'401,008
Twills and sateens .....	469,698	'119,326	124,752	113,379	112,241
Spun filament combinations except blue denim:					
Print cloth .....	364,699	97,549	98,758	84,436	83,956
Poplin and broadcloth .....	262,350	'56,984	'70,747	'68,273	'66,346
Sheeting .....	143,853	38,278	41,785	30,318	33,472
Twills and sateens .....	116,226	'28,253	'28,218	'30,699	'29,056
Other .....	318,742	'73,533	'82,976	'85,882	'76,351
Wool fabrics .....	169,641	38,089	48,679	41,418	41,455
Silk fabrics .....	821	169	227	199	226

(D) Data withheld to avoid disclosing figures for individual companies.

'Revised by 5 percent or more from previously published figures.



**Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS: 1991**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
2211B 02	Tobacco, cheese, and bandage cloth .....	3,446	1,179,395	3,937	289,579	4,089	320,989	3,822	294,511	3,446	274,316
2221D 03	More than 50 percent cotton .....	2,871	990,066	3,572	249,286	3,548	279,908	3,359	240,620	2,871	220,252
2221D 04	Chiefly spun polyester mixed with cotton .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221D 05	Chiefly spun rayon and/or acetate .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	All other fabrics, 85 percent or more spun yarn .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Spun-filament combinations .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211B 05	Chiefly cotton .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 04	Chiefly manmade .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211B 12	Print cloth .....	13,799	1,447,831	'13,507	361,741	'13,954	371,440	14,044	336,907	'13,799	377,743
2221D 13	More than 50 percent cotton .....	6,510	387,689	5,740	'84,903	6,540	96,419	6,798	94,685	6,510	111,682
2221D 15	Chiefly spun polyester mixed with cotton .....	5,152	576,916	5,257	148,548	4,831	146,602	4,838	127,089	5,152	154,677
2221D 16	Chiefly spun polyester mixed with rayon .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221D 18	Chiefly spun rayon and/or acetate .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	All other fabrics, 85 percent or more spun yarn .....	386	66,644	441	14,806	483	15,213	495	18,934	386	17,691
	Spun/filament combinations .....	1,445	364,699	1,617	97,549	1,691	98,758	1,546	84,436	1,445	83,956
2211B 14	Chiefly cotton .....	-	-	-	-	-	-	-	-	-	-
2221G 07	Chiefly manmade .....	1,445	364,699	1,617	97,549	1,691	98,758	1,546	84,436	1,445	83,956
	Poplin and broadcloth .....	6,687	1,017,306	'7,849	'261,882	'7,180	'260,419	'6,874	'245,734	'6,687	'249,271
	More than 50 percent cotton .....	408	82,615	639	26,191	462	17,676	534	19,190	408	19,558
	Weighing 5.9 ounces or less per square yard ...	358	57,407	390	13,352	'393	'13,881	464	14,349	358	15,825
2211B 21	Carded .....	149	19,415	124	4,859	'136	'4,979	140	'4,565	149	5,012
2211B 25	Combed .....	209	37,992	266	8,493	257	8,902	324	9,784	209	10,813
2211B 30	Weighing more than 5.9 ounces per square yard .....	50	25,208	249	12,839	69	3,795	70	4,841	50	3,733
	Chiefly spun polyester mixed with cotton .....	3,767	538,164	4,308	142,292	4,126	138,632	3,933	128,011	3,767	129,229
	Weighing 5.0 ounces or less per square yard ...	3,487	492,325	4,166	134,536	3,907	127,126	3,674	114,979	3,487	115,684
2221D 23	Carded .....	2,801	344,189	3,303	98,409	3,110	87,767	2,891	77,152	2,801	80,861
2221D 25	Combed .....	686	148,136	863	36,127	797	39,359	783	37,827	686	34,823
	Weighing more than 5.0 ounces per square yard .....	280	45,839	'142	7,756	219	11,506	259	13,032	280	13,545
2221D 27	Carded .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221D 31	Combed .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221D 33	Chiefly spun rayon and/or acetate .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221D 34	All other fabrics, 85 percent or more spun yarn .....	850	98,835	'951	'25,273	'837	'24,020	'752	'23,089	'850	'26,453
	Spun/filament combinations .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211B 35	Chiefly cotton .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 19	Chiefly manmade .....	1,219	262,350	'1,210	'56,984	'1,450	'70,747	'1,283	'68,273	'1,219	'66,346

See footnotes at end of table.



**Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS: 1991—Continued**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
2211B 41	Lawns, voiles, and batistes... More than 50 percent cotton.....	107	11,959	299	4,485	180	3,195	139	3,042	107	1,237
2221D 41	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221D 44	Chiefly spun rayon and/or acetate.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221D 42	All other fabrics, 85 percent or more spun yarn.....	-	-	-	-	-	-	-	-	-	-
	Spun/filament combinations.....	-	-	-	-	-	-	-	-	-	-
2211B 43	Chiefly cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 28	Chiefly manmade.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Duck, including taped warp duck.....	645	65,825	853	19,794	715	15,667	757	16,175	645	14,189
2211B 71	More than 50 percent cotton.....	288	34,347	496	11,249	365	7,840	404	8,433	288	6,825
2221D 89	Chiefly spun polyester mixed with cotton.....	168	10,814	153	2,607	165	2,612	176	2,757	168	2,838
2221D 91	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211B 75	Chiefly cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221B 77	Chiefly manmade.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211B 45	Bedsheeting..... More than 50 percent cotton.....	11,120	1,698,244	12,073	408,372	11,389	442,681	10,926	420,245	11,120	426,946
	Chiefly spun polyester mixed with cotton.....	2,639	338,646	2,619	80,612	2,782	89,672	2,525	84,204	2,639	84,158
2221D 43	Carded.....	7,528	1,176,106	8,370	281,468	7,529	302,428	7,476	295,184	7,528	297,026
2221D 45	Combed.....	1,193	325,374	1,904	82,666	1,580	87,761	1,323	81,680	1,193	73,267
2221D 46	Chiefly spun rayon and/or acetate.....	6,335	850,732	6,466	198,802	5,949	214,667	6,153	213,504	6,335	223,759
2221D 47	All other fabrics, 85 percent or more spun yarn.....	-	-	-	-	-	-	-	-	-	-
	Spun/filament combinations.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211B 47	Chiefly cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 33	Chiefly manmade.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	All other sheeting, including osnaburgs.....	3,817	626,902	3,935	167,784	3,647	153,692	3,664	146,754	3,817	158,672
2211B 61	More than 50 percent cotton.....	1,462	208,379	1,624	60,610	1,569	53,351	1,447	42,855	1,462	51,563
	Weighing 5.9 ounces or less per square yard... Weighing more than 5.9 ounces per square yard.....	1,110	142,512	1,286	43,696	1,178	36,564	1,051	25,772	1,110	36,480
2211B 63	Blanketing.....	352	65,867	338	16,914	391	16,787	396	17,083	352	15,083
2211B 65	All other fabric.....	218	43,361	188	10,123	234	10,988	222	11,456	218	10,794
	85 percent or more spun polyester.....	134	22,506	150	6,791	157	5,799	174	5,627	134	4,289
2221D 63	Blanketing.....	163	21,616	153	4,382	148	4,981	155	6,039	163	6,214
2221D 65	All other fabric.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

See footnotes at end of table.



**Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS: 1991—Continued**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
2221D 73	Chiefly spun polyester mixed with cotton.....	1,331	221,251	1,123	51,559	1,152	57,846	1,224	56,047	1,331	55,799
2221D 75	Weighing 5.0 ounces or less per square yard ...	1,104	181,785	876	42,215	940	46,363	988	46,931	1,104	46,276
	Weighing more than 5.0 ounces per square yard .....	227	39,466	247	9,344	212	11,483	236	9,116	227	9,523
2221D 81	Chiefly spun acrylic .....	176	36,793	'157	'8,805	'171	'8,300	'219	'11,624	'176	'8,064
2221D 83	Blanketing .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221D 84	All other fabric .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221D 85	Chiefly spun rayon and/or acetate .....	130	50,376	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	All other fabrics, 85 percent or more spun yarn .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Spun/filament combinations .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211B 67	Chiefly cotton .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 45	Chiefly manmade .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Blue denim .....	3,283	711,074	3,307	165,322	3,178	179,427	3,282	184,978	3,283	181,347
	More than 50 percent cotton .....	3,160	685,709	3,163	157,852	3,087	173,266	3,177	180,062	3,160	174,529
2211C 01	Weighing 10.7 ounces or less per square yard ...	369	68,584	'365	'16,239	'360	'17,627	'354	'16,794	369	17,924
2211C 03	Weighing more than 10.7 ounces per square yard .....	2,791	617,125	2,798	141,613	2,727	155,639	2,823	163,268	2,791	156,605
2221E 03	Chiefly spun polyester mixed with cotton .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Spun filament combinations .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211G 05	Chiefly cotton .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 46	Chiefly manmade .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	All other denim .....	916	179,294	'760	'40,631	'908	'48,478	'893	'43,250	'916	'46,935
	More than 50 percent cotton .....	855	169,872	'694	'37,984	'835	'46,470	'824	'40,565	'855	'44,853
2211C 11	Weighing 10.7 ounces or less per square yard ...	76	16,820	67	2,807	83	4,645	90	4,792	'76	'4,576
2211C 13	Weighing more than 10.7 ounces per square yard .....	779	153,052	627	35,177	752	41,825	734	35,773	'779	'40,277
2221E 13	Chiefly spun polyester mixed with cotton .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Spun filament combinations .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211C 15	Chiefly cotton .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221C 18	Chiefly manmade .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211C 21	Canton flannels .....	428	22,804	444	5,445	408	6,253	403	5,168	428	5,938
	All other twill weaves .....	7,004	964,226	7,356	233,152	7,844	249,913	7,254	240,119	'7,004	241,042
	More than 50 percent cotton .....	2,955	440,721	2,839	99,912	2,980	111,326	3,041	111,334	'2,955	118,149
2211C 31	Weighing 5.9 ounces or less per square yards...	1,033	134,721	1,110	32,622	1,130	33,638	1,082	33,394	1,033	35,067
2211C 33	Weighing more than 5.9 ounces per square yard .....	1,922	306,000	1,729	67,920	1,850	77,688	1,959	77,940	'1,922	'83,082
2221E 21	85 percent or more spun polyester .....	95	19,928	149	4,796	138	5,633	90	4,228	95	5,271
	Chiefly spun polyester mixed with cotton .....	2,160	307,157	2,162	77,631	2,177	79,380	2,128	73,118	'2,160	'77,028
2221E 23	Weighing 5.0 ounces or less per square yard ...	721	47,835	514	10,261	525	11,837	581	11,672	721	14,065

See footnotes at end of table.



**Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS: 1991—Continued**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
2221E 25	Weighting more than 5.0 ounces per square yard .....	1,439	259,322	1,648	67,370	1,652	67,543	1,547	61,446	1,439	62,963
2221E 26	Chiefly spun rayon and/or acetate .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221E 27	All other fabrics, 85 percent or more spun yarn .....	720	87,975	1,335	26,555	1,509	26,617	867	19,321	720	15,482
	Spun/filament combinations .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211C 35	Chiefly cotton .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221C 39	Chiefly manmade .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Sateens .....	1,144	104,257	1,123	27,263	1,134	24,499	1,050	23,100	1,144	29,395
2211D 05	More than 50 percent cotton .....	207	34,957	250	10,424	235	8,348	220	6,202	207	9,983
2221F 05	Chiefly spun polyester mixed with cotton .....	219	16,457	127	3,043	139	3,152	165	4,258	219	6,004
2221F 06	Chiefly spun rayon and/or acetate .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221F 07	All other fabrics, 85 percent or more spun yarn .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Spun/filament combinations .....	613	44,412	634	11,428	670	11,545	556	10,368	613	11,071
2211D 07	Chiefly cotton .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 05	Chiefly manmade .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Oxfords .....	1,113	212,488	1,241	52,388	1,342	57,951	1,090	50,176	1,113	51,973
2211D 11	More than 50 percent cotton .....	714	156,915	775	37,617	825	40,844	698	38,878	714	39,576
2221F 11	Chiefly spun polyester mixed with cotton .....	180	23,071	121	5,267	122	5,253	174	5,647	180	6,904
2221F 17	All other fabrics, 85 percent or more spun yarn .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Spun/filament combinations .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211D 13	Chiefly cotton .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 68	Chiefly manmade .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211D 31	Birdseye diaper cloth .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211D 35	Huck and crash toweling .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Table damask .....	302	52,015	319	12,618	327	13,609	328	13,495	302	12,293
2211D 45	More than 50 percent cotton .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221F 32	Chiefly spun polyester mixed with cotton .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221F 37	All other fabrics, 85 percent or more spun yarn .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Spun/filament combinations .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211D 07	Chiefly cotton .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 82	Chiefly manmade .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Jacquard and dobby shirting fabrics .....	508	37,599	484	10,333	524	9,741	539	8,516	508	9,009
2211D 51	More than 50 percent cotton .....	62	12,765	133	5,034	113	3,735	53	1,769	62	2,227
2221F 41	Chiefly spun polyester mixed with cotton .....	284	8,865	167	1,074	176	2,063	231	2,342	284	3,386
2221F 43	All other fabric, 85 percent or more spun yarn .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Spun/filament combinations .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211D 53	Chiefly cotton .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 84	Chiefly manmade .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

See footnotes at end of table.



**Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS: 1991—Continued**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
	All other weaves .....	5,428	513,544	5,539	117,470	5,489	128,107	5,931	135,689	'5,428	132,278
	More than 50 percent cotton .....	1,550	142,937	1,751	35,845	1,622	35,837	1,852	34,797	1,550	36,458
2211D 62	Weighing 5.9 ounces or less per square yard ...	368	55,424	619	13,952	539	13,515	715	13,604	368	14,353
2211D 64	Weighing more than 5.9 ounces per square yard .....	1,182	87,513	1,132	21,893	1,083	22,322	1,137	21,193	<sup>a</sup> 1,182	22,105
2221F 52	85 percent or more spun polyester .....	330	22,214	255	5,128	342	4,708	262	5,796	330	6,582
	Chiefly spun polyester mixed with cotton .....	607	31,905	677	7,669	671	7,956	619	8,274	607	8,006
2221F 54	Weighing 5.0 ounces or less per square yard ...	156	16,064	246	4,369	224	3,868	174	4,040	<sup>a</sup> 156	3,787
2221F 56	Weighing more than 5.0 ounces per square yard .....	451	15,841	431	3,300	447	4,088	445	4,234	451	4,219
2221F 58	All other fabrics, 85 percent or more spun yarn .....	966	57,633	774	'11,816	'770	'13,747	'927	'15,549	'966	'16,521
	Spun/filament combinations .....	1,975	258,855	'2,082	'57,012	'2,084	'65,859	'2,271	'71,273	'1,975	'64,711
2211D 66	Chiefly cotton .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 87	Chiefly manmade .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text for a discussion of estimation of missing reports): <sup>a</sup>10 to 25 percent of this item is estimated. <sup>b</sup>More than 25 percent of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. 'Revised by 5 percent or more from previously published figures.



**Table 5. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE FILAMENT YARN FABRICS: 1991**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
	85 percent or more filament yarn fabrics..	23,133	5,473,554	23,879	1,274,186	23,089	1,353,660	23,322	1,384,097	23,133	1,461,611
2221B 02	High tenacity yarn fabrics . . .	1,122	128,991	'1,150	'32,127	'1,119	'30,113	'1,146	31,535	'1,122	'35,216
2221C 02	100 percent and chiefly rayon . . . . .	(D)	(D)	(D)	(D)	(D)	(D)	491	(D)	(D)	(D)
2221C 04	100 percent and chiefly nylon . . . . .	(D)	(D)	(D)	(D)	(D)	(D)	355	(D)	(D)	(D)
2221C 07	100 percent and chiefly polyester . . . . .	279	49,988	'302	'10,404	'283	'11,294	'300	'13,168	'279	'15,122
	85 percent more filament yarn fabric obtained from strip or the like except rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	85 percent or more acetate or triacetate filament yarn fabrics . . . . .	4,884	551,971	5,208	135,279	4,793	136,590	4,896	138,745	4,884	141,357
2221B 11	Weighing not more than 5 ounces per square yard . .	4,401	495,438	4,575	121,736	'4,130	'120,132	'4,347	'125,126	'4,401	128,444
2221B 13	Plain weave . . . . .	2,947	318,350	2,661	66,087	2,571	76,329	2,960	87,938	2,947	87,996
	Other weaves . . . . .	1,454	177,088	'1,914	'55,649	1,559	43,803	'1,387	'37,188	'1,454	'40,448
2221B 15	Weighing more than 5 ounces per square yard . .	483	56,533	'633	'13,543	'663	'16,458	'549	'13,619	'483	'12,913
2221B 17	Plain weave . . . . .	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Other weaves . . . . .	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221B 32	Other chiefly rayon and/or acetate filament yarn fabrics . . . . .	1,586	127,026	2,037	29,987	2,001	'34,081	'1,646	'31,791	'1,586	'31,167
2221B 35	Weighing not more than 5 ounces per square yard . .	1,123	101,171	'1,277	'23,571	'1,221	'27,233	'1,226	'25,226	'1,123	'25,141
	Weighing more than 5 ounces per square yard . .	463	25,855	'760	'6,416	'780	'6,848	'420	'6,565	'463	'6,026
2221C 11	85 percent or more nylon filament yarn fabrics . . . . .	3,582	455,656	3,240	105,400	3,189	111,909	3,402	114,609	3,582	123,738
	Typewriter and other impression fabrics . . . . .	794	99,925	703	22,108	790	26,996	762	24,803	794	26,018
	Other 85 percent or more nylon filament yarn fabrics . . . . .	2,788	355,731	2,537	83,292	2,399	84,913	2,640	89,806	2,788	97,720
2221C 14	Weighing not more than 5 ounces per square yard . . . . .	2,511	308,569	2,376	73,972	2,257	74,701	2,352	76,250	2,511	83,646
2221C 16	Flat, non-textured . . . . .	2,318	277,245	2,142	66,136	1,994	65,634	2,171	68,901	2,318	76,574
	All other . . . . .	193	31,324	234	7,836	263	9,067	181	7,349	193	7,072
2221C 22	Weighing more than 5 ounces per square yard . . . . .	277	47,162	161	9,320	142	10,212	288	13,556	277	14,074
2221C 24	Flat, non-textured . . . . .	160	6,731	43	1,493	19	917	161	2,157	160	2,164
	All other . . . . .	117	40,431	118	7,827	123	9,295	127	11,399	117	11,910
2221C 32	Other chiefly nylon filament fabrics . . . . .	251	9,684	303	3,241	251	2,790	240	1,820	251	1,833
2221C 34	Weighing not more than 5 ounces per square yard . .	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Weighing more than 5 ounces per square yard . .	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

See footnotes at end of table.



Table 5. **PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE FILAMENT YARN FABRICS:**  
**1991—Continued**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
2221C 42	85 percent or more polyester filament yarn fabrics.....	5,818	652,034	5,641	153,582	5,646	162,198	5,860	165,328	5,818	170,926
	Textured .....	4,203	471,479	4,001	110,363	4,049	117,117	4,297	120,286	4,203	123,713
2221C 44	Weighing not more than 5 ounces per square yard <sup>1</sup> .....	2,244	243,352	2,142	56,063	2,101	61,161	2,291	62,117	2,244	64,011
	Flat .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221C 45	Other .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221C 50	Weighing more than 5 ounces per square yard <sup>1</sup> .....	1,959	228,127	1,859	54,300	1,948	55,956	2,006	58,169	1,959	59,702
	Non-textured .....	1,615	180,555	1,640	43,219	1,597	45,081	1,563	45,042	1,615	47,213
2221C 55	Weighing not more than 5 ounces per square yard <sup>1</sup> .....	962	98,636	956	23,780	866	24,390	818	23,211	962	27,255
	Weighing more than 5 ounces per square yard <sup>1</sup> .....	653	81,919	684	19,439	731	20,691	745	21,831	653	19,958
2221C 62	Other chiefly polyester filament fabrics .....	230	13,810	212	2,652	212	3,547	233	4,278	230	3,333
2221C 72	Glass fiber fabrics.....	2,325	347,263	2,634	87,145	2,559	89,709	2,516	92,161	2,325	78,248
2221C 74	Woven roving and screening .....	86	30,288	69	3,826	69	3,797	114	13,544	86	9,121
	All other glass fiber fabrics.	2,239	316,975	2,565	83,319	2,490	85,912	2,402	78,617	2,239	69,127
2221C 80	All other 85 percent or more filament yarn fabrics, including saran and olefin...	3,314	3,185,251	3,416	724,363	'3,298	'782,300	'3,362	803,358	'3,314	875,230
	Carpet backing.....	2,789	2,935,144	2,844	662,311	2,750	719,547	2,812	734,801	2,789	818,485
2221C 83	Woven synthetic (including olefin) .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Jute and other backing ..	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221C 84	All other.....	525	250,107	'572	'62,052	'548	'62,753	'550	'68,557	'525	'56,745

(D) Data withheld to avoid disclosing figures for individual companies.

'Revised by 5 percent or more from previously published figures.

<sup>1</sup>Classified on a finished weight basis.



**Table 6. PRODUCTION AND LOOM ASSIGNMENT OF PILE FABRICS (INCLUDES YARN DYED FABRICS): 1991**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
	Pile fabrics .....	5,393	510,098	5,832	126,947	5,628	133,204	5,458	127,497	5,393	122,450
	Corduroy .....	637	47,543	1,001	16,757	847	15,185	680	9,332	637	6,269
	More than 50 percent cotton .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211E 01	Finewales and pinwales ..	365	20,159	486	6,919	439	6,386	335	3,882	365	2,972
2211E 03	Midwales .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211E 06	Widewales and other ....	172	15,863	341	6,580	260	4,435	230	3,130	172	1,718
2221H 01	Chiefly manmade fiber ....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Velvets, plushes, and other pile fabrics .....	764	52,865	768	11,187	735	13,985	782	14,025	764	13,668
2211E 21	More than 50 percent cotton .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221H 11	Chiefly manmade fiber ....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Terry cloth and terry toweling .....	3,992	409,690	4,063	99,003	4,046	104,034	3,996	104,140	3,992	102,513
2211E 32	Terry toweling .....	3,860	393,568	3,863	94,169	3,838	98,835	3,846	100,773	3,860	99,791
2211E 34	Terry cloth .....	132	16,122	200	4,834	208	5,199	150	3,367	132	2,722

(D) Data withheld to avoid disclosing figures for individual companies.

**Table 7. PRODUCTION AND LOOM ASSIGNMENT OF WOOLEN AND WORSTED FABRICS, INCLUDING CHIEFLY MANMADE/WOOL BLENDS AND CHIEFLY COTTON/WOOL BLENDS: 1991**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
	Woolen and worsted fabrics, 36 percent or more wool (except felts) <sup>1</sup> .....	1,906	169,641	2,063	38,089	2,002	48,679	1,929	41,418	1,906	41,455
	Apparel fabrics, including government orders .....	1,780	161,665	1,914	36,137	1,882	46,794	1,800	39,334	1,780	39,400
22312 01	Worsted fabrics .....	1,098	98,970	1,133	22,710	1,116	29,067	1,094	23,107	1,098	24,086
	Weighting not more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
22312 02	Weighting more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Woolen fabrics .....	682	62,695	781	13,427	766	17,727	706	16,227	682	15,314
22312 21	Weighting not more than 9 ounces per square yard .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
22312 23	Weighting more than 9 ounces per square yard .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Nonapparel fabrics, including government orders (except felts) .....	126	7,976	149	1,952	120	1,885	129	2,084	126	2,055
22312 62	Blanketing, including thermal .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
22312 61	Upholstery fabric .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
22312 85	All other fabrics .....	82	4,126	123	1,282	81	958	87	1,012	82	874

See footnotes at end of table.



**Table 7. PRODUCTION AND LOOM ASSIGNMENT OF WOOLEN AND WORSTED FABRICS, INCLUDING CHIEFLY MANMADE/WOOL BLENDS AND CHIEFLY COTTON/WOOL BLENDS: 1991—Continued**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
22312 92	Woven felts (thousands of pounds) . . . .	149	6,182	160	1,612	156	1,624	148	1,418	149	1,528
	Chiefly manmade/wool blend and chiefly cotton/wool blend fabrics . . . . .	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Chiefly spun polyester mixed mainly or solely with wool . .	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221H 21	Woolen . . . . .	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Worsted . . . . .	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221H 25	Weighing not more than 5.9 ounces per square yard . . . . .	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221H 27	Weighing more than 5.9 ounces per square yard . . . . .	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221H 32	All other chiefly spun fibers mixed mainly or solely with wool . . . . .	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Chiefly filament polyester mixed mainly or solely with wool or spun polyester/wool blends (less than 36 percent wool) . . . . .	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221H 51	Woolen . . . . .	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Worsted . . . . .	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221H 53	Weighing not more than 5.9 ounces per square yard . . . . .	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221H 55	Weighing more than 5.9 ounces per square yard . . . . .	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221H 63	All other chiefly filament yarn mixed mainly or solely with wool . . . . .	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Revised by 5 percent or more from previously published figures.

<sup>1</sup>Includes fabrics 36 percent or more wool or reprocessed wool by weight. 1986 and prior years include fabrics 50 percent or more wool or reprocessed wool by weight.



Table 8. PRODUCTION AND LOOM ASSIGNMENT OF UPHOLSTERY FABRICS: 1991

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
	Upholstery fabrics.....	3,790	359,153	3,841	79,191	3,745	92,933	3,942	95,604	3,790	91,425
	85 percent or more spun yarn and spun filament combinations .....	3,088	289,279	3,118	65,056	3,044	75,406	3,192	76,681	3,088	72,136
2211E 41	Pile woven .....	686	57,828	741	13,095	1,649	14,909	699	15,220	686	14,604
	All cotton and chiefly cotton.....	32	1,711	98	890	136	1315	36	297	32	209
2221H 41	All manmade and chiefly manmade .....	654	56,117	643	12,205	613	14,594	663	14,923	654	14,395
2211X 01	Flat woven .....	2,402	231,451	2,377	51,961	2,395	60,497	2,493	61,461	2,402	57,532
	All cotton and chiefly cotton.....	797	85,172	789	18,921	815	21,552	836	21,990	797	22,709
	All manmade and chiefly manmade .....	1,605	146,279	1,588	33,040	1,580	38,945	1,657	39,471	1,605	34,823
2221X 01	Olefin .....	340	30,094	348	6,742	322	7,194	336	8,280	340	7,878
2221X 03	All other flat woven manmade fiber fabrics .....	1,265	116,185	1,240	26,298	1,258	31,751	1,321	31,191	1,265	26,945
	85 percent or more filament yarn .....	702	69,874	723	14,135	701	17,527	750	18,923	702	19,289
2221X 01	All polyester and chiefly polyester .....	280	25,026	336	5,785	320	6,150	335	6,718	280	6,373
2221X 03	All nylon and chiefly nylon ..	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221X 05	All olefin and chiefly olefin ..	301	37,159	266	6,766	267	9,445	305	10,118	301	10,830
2221X 07	All other filament fiber fabrics .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

These data are included in the data shown in tables 4, 5.

(D) Data withheld to avoid disclosing figures for individual companies.

Revised by 5 percent or more from previously published figures.

Table 9. PRODUCTION OF TIRE CORD AND TIRE CORD FABRICS: 1991

(Thousands of pounds)

Product code	Product description	Production				
		Total	First quarter	Second quarter	Third quarter	Fourth quarter
22960 00	Tire cord and tire cord fabrics .....	720,681	178,574	180,827	175,065	186,215
22960 12	Cotton tire cord and tire cord fabrics .....	-	-	-	-	-
22960 32	Rayon tire cord and tire cord fabrics.....	2,846	855	576	482	933
22960 35	Nylon tire cord and tire cord fabrics .....	152,280	42,339	39,233	35,502	35,206
22960 37	Polyester tire cord and tire cord fabrics .....	171,702	43,214	43,838	42,436	42,214
22960 38	Glass tire cord and tire cord fabrics .....	766	176	203	174	213
22960 45	Steel tire cord .....	381,071	88,851	93,889	93,867	104,464
22960 49	All other tire cord and tire cord fabrics including chafer .....	12,016	3,139	3,088	2,604	3,185

- Represents zero.



Table 10. LOOMS IN PLACE AND LOOM HOURS OPERATED IN BROADWOVEN FABRIC MILLS: 1991

(Looms in place in number; loom hours in thousands)

Type of loom	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
	Looms in place Dec. 31, 1991	Looms hours operated	Looms in place	Looms hours operated	Looms in place	Looms hours operated	Looms in place	Looms hours operated	Looms in place	Loom hours operated
Total.....	98,096	678,808	104,157	168,100	101,678	174,278	99,794	168,663	98,096	167,767
Shuttle type looms.....	33,698	225,895	38,169	58,562	36,335	58,346	35,043	55,592	33,698	53,395
Single shuttle cam looms.....	23,347	157,102	25,768	40,806	24,865	40,935	24,325	38,227	23,347	37,134
Single shuttle dobby looms...	6,154	45,872	7,420	11,638	7,110	11,799	6,520	11,759	6,154	10,676
Multiple shuttle box or head motion looms.....	2,541	13,919	2,553	3,557	2,548	3,446	2,529	3,542	2,541	3,374
Double shuttle pile and plush, and jacquard looms.....	1,656	9,002	2,428	2,561	1,812	2,166	1,669	2,064	1,656	2,211
Shuttleless looms and weaving machines.....	64,398	452,913	65,988	109,538	65,343	115,932	64,751	113,071	64,398	114,372
Single filling insertion capabil- ity.....	38,288	284,437	39,009	68,965	38,446	72,029	38,302	71,059	38,288	72,384
Air jet looms.....	15,226	115,329	15,687	28,249	15,382	29,210	15,319	28,851	15,226	29,019
Water jet looms.....	5,910	41,904	5,997	9,579	5,974	10,688	5,852	10,510	5,910	11,127
Projectile looms.....	12,282	93,520	12,338	22,912	12,257	23,435	12,249	23,403	12,282	23,770
Rapier looms.....	4,870	33,684	4,987	8,225	4,833	8,696	4,882	8,295	4,870	8,468
Multiple filling insertion capa- bility.....	25,447	164,956	26,325	38,898	26,232	43,090	25,728	40,965	25,447	41,003
Air jet looms.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Water jet looms.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Projectile looms.....	10,455	70,991	11,121	16,903	11,025	18,699	10,625	17,875	10,455	17,514
Rapier looms.....	12,005	70,528	12,063	17,347	12,059	18,311	12,028	17,447	12,005	17,243
Pile and plush looms.....	663	3,520	654	675	665	813	721	1,047	663	985

(D) Data withheld to avoid disclosing figures for individual companies.

\*Revised by 5 percent or more from previously published figures.



**Table 11. PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF BROADWOVEN FABRICS: 1991**

(Quantity in thousands of square yards; value in thousands of dollars)

Product description	Manufacturers' shipments <sup>1</sup> (quantity)	Imports for consumption <sup>2</sup>		Percent imports to manufacturers' shipments (quantity)	Exports of domestic merchandise <sup>4</sup>		Percent exports to manufacturers' shipments (quantity)	Apparent consumption <sup>5</sup>
		Quantity	Value <sup>3</sup>		Quantity	Value		
Cotton fabrics <sup>6</sup> .....	3,681,745	1,233,027	1,430,646	33.5	(NA)	(NA)	(NA)	(NA)
Cheesecloth and batistes .....	(D)	27,560	23,080	(D)	29,932	55,322	(D)	(D)
Print cloth .....	324,016	292,592	216,115	90.3	3,347	7,425	1.0	613,261
Poplin and broadcloth .....	60,456	169,046	166,185	279.6	18,466	40,832	30.5	211,036
Weighing 5.9 ounces or less per square yard .....	43,234	168,041	161,794	388.7	8,624	22,340	19.9	202,651
Weighing more than 5.9 ounces per square yard .....	17,222	1,005	4,391	5.8	9,843	18,492	57.2	8,384
Duck, including tape warp .....	(D)	66,806	76,228	(D)	11,047	29,861	(D)	(D)
Sheeting .....	489,062	325,212	284,685	66.5	11,891	31,333	2.4	802,383
Twills and sateens .....	453,456	193,212	284,359	42.6	11,882	31,295	2.6	634,786
Oxfords .....	43,829	5,496	15,421	12.5	(NA)	(NA)	(NA)	(NA)
All other constructions .....	184,197	48,679	72,025	26.4	(NA)	(NA)	(NA)	(NA)
Blue Denim .....	588,523	37,894	88,739	6.4	51,484	143,818	8.7	574,933
Yarn dyed fabric .....	294,270	60,415	174,765	20.5	22,310	46,143	7.6	332,385
Pile fabrics, including yarn dyed .....	383,819	6,115	29,044	1.6	6,720	24,524	1.8	383,214
Manmade fiber fabrics .....	8,874,789	561,458	1,429,064	6.3	246,237	691,059	2.8	9,190,010
85% or more filament yarn fabrics .....	4,574,877	249,317	537,761	5.4	140,492	374,648	3.1	4,683,702
Nylon and polyester high tenacity fabric .....	92,163	9,054	24,625	9.8	27,299	69,659	29.6	73,918
Rayon high tenacity fabric .....	15,686	859	1,990	5.5	3,353	10,314	21.4	13,192
Typewriter fabric .....	83,547	38	110	-	(NA)	(NA)	(NA)	(NA)
Rayon or acetate filament yarn fabrics .....	567,709	13,904	35,095	2.4	8,226	23,562	1.4	573,387
Polyester filament yarn fabric .....	556,712	177,659	393,094	31.9	44,771	86,787	8.0	689,600
Glass fiber fabric .....	290,347	17,945	32,590	6.2	17,615	61,548	(NA)	(NA)
Nylon filament yarn fabric .....	305,523	27,483	42,752	9.0	13,787	47,099	4.5	319,219
All other filament yarn fabric .....	2,663,188	2,375	7,505	0.1	25,440	75,679	1.0	2,640,123
85 percent or more spun yarn fabric .....	3,226,525	195,202	309,946	6.0	68,301	177,328	2.1	3,353,244
Cheesecloth and batistes .....	130,853	5,590	6,098	4.3				
Poplin broadcloth .....	498,318	58,851	56,077	11.8				
Polyester/cotton .....	400,765	52,095	44,565	13.0				
Weighing 5.0 ounces or less per square yard .....	363,329	51,047	42,250	14.0				
Weighing more than 5.0 ounces per square yard .....	37,436	1,048	2,315	2.8				
All other spun yarns .....	97,553	6,756	11,512	6.9				
Print cloth .....	581,460	42,965	31,602	7.4				
Polyester/cotton .....	482,359	31,266	19,153	6.5				
All other spun yarns .....	99,100	11,699	12,449	11.8				
Duck .....	20,514	421	1,736	2.1	63,701	152,922	(NA)	(NA)
Sheeting .....	1,320,978	12,345	16,971	0.9				
Polyester/cotton .....	1,164,224	6,901	5,831	0.6				
Weighing 5.0 ounces or less per square yard .....	1,131,461	6,901	5,831	21.1				
Weighing more than 5.0 ounces per square yard .....	32,763							
All other spun yarn .....	156,754	5,444	11,140	3.5				
Sateens or twills .....	392,714	35,754	50,862	9.1				
Oxford .....	31,258	20	104	0.1				
All other spun manmade fiber fabrics .....	90,994	6,043	23,693	6.7				
Yarn dyed fabric .....	117,138	29,369	96,715	25.1				
Pile fabrics .....	42,674	3,844	26,088	9.0	4,599	24,406	10.8	41,919
Spun/filament yarn combinations, including yarn dyed .....	1,014,234	76,527	187,452	7.5	36,095	126,500	3.6	1,054,666
Chiefly manmade/wool blends .....	58,468	19,049	79,312	32.6	(NA)	(NA)	(NA)	(NA)
Silk fabrics .....	686	21,363	314,593	3,112.2	1,350	12,583	196.7	20,699
Wool fabrics .....	141,837	22,709	288,289	16.0	3,807	23,416	2.7	160,739
Chiefly cotton fabrics blended with wool and other vegetable fibers and other vegetable fiber fabrics .....	176	117	1,077	66.7	(NA)	(NA)	-	(NA)

Note: Fabric blends as shown in Current Industrial Reports Series MQ22T are reported based on the chief weight of the fiber whereas fabric blends as shown for imports and exports are based on the chief value of the fiber.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. (NA) Not available.

<sup>1</sup>Represents production of gray broadwoven fabrics; import and export data represent gray as well as finished broadwoven fabrics. For a comparison of Standard Industrial Classification (SIC) based product codes with Schedule B export numbers and HTSUSA import numbers, see table 12. <sup>2</sup>Source: Bureau of the Census Report IM 145, U.S. Imports for Consumption. <sup>3</sup>This dollar value represents the c.i.f. (cost, insurance, and freight) at the first port of entry in the United States plus calculated import duty. <sup>4</sup>Source: Bureau of the Census Report EM 545, U.S. Exports. <sup>5</sup>Apparent consumption represents new domestic supply and is derived by subtracting exports from the total manufacturers' shipments plus imports. <sup>6</sup>Includes all cotton and chiefly cotton mixed with manmade fiber.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2211B 02, 2211B 42	Cotton cheesecloth and batistes	5208.11.2090,	5208.11.2090,
		5208.11.4090,	5208.11.4090,
		5208.11.6000,	5208.11.9000,
		5208.11.8090,	5208.12.4090,
		5208.12.4090,	5208.12.6090,
		5208.12.6090,	5208.12.8090,
		5208.12.8090,	5208.21.2090,
		5208.21.2090,	5208.21.4090,
		5208.21.4090,	5208.21.6090,
		5208.21.6090,	5208.22.4090,
		5208.22.4090,	5208.22.6090,
		5208.22.6090,	5208.22.8090,
		5208.22.8090,	5208.31.4090,
		5208.31.4090,	5208.31.6090,
		5208.31.6090,	5208.31.8090,
		5208.31.8090,	5208.32.3090,
		5208.32.3090,	5208.32.4090,
		5208.32.4090,	5208.32.5090,
		5208.32.5090,	5208.51.4090,
		5208.51.4090,	5208.51.6090,
		5208.51.6090,	5208.51.8090,
		5208.51.8090,	5208.52.3090,
		5208.52.3090,	5208.52.4090,
		5208.52.4090,	5208.52.5090,
		5208.52.5090,	5210.11.4090,
		5210.11.4090,	5210.11.6090,
		5210.11.6090,	5210.11.8090,
		5210.11.8090,	5210.21.4090,
		5210.21.4090,	5210.21.6090,
		5210.21.6090,	5210.21.8090,
		5210.21.8090,	5210.31.4090,
		5210.31.4090,	5210.31.6090,
		5210.31.6090,	5210.31.8090,
		5210.31.8090,	5210.51.4090,
		5210.51.4090,	5210.51.6090,
		5210.51.6090,	5210.51.8090,
		5210.51.8090,	5211.11.0090,
		5211.51.0090	5211.21.0090,
			5211.31.0090,
			5211.41.0090,
			5211.51.0090
2211B 12	Cotton print cloth	5208.11.4060,	5208.11.4060,
		5208.12.6060,	5208.12.6060,
		5208.21.4060,	5208.21.4060,
		5208.22.6060,	5208.22.6060,
		5208.31.6060,	5208.31.6060,
		5208.32.4060,	5208.32.4060,
		5208.51.6060,	5208.51.6060,
		5208.52.4060,	5208.52.4060,
		5210.11.6060,	5210.11.6060,
		5210.21.6060,	5210.21.6060,
		5210.31.6060,	5210.31.6060,
		5210.51.6060	5210.51.6060

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2211B 22	Cotton poplin and broadcloth (5.9 ounces or less per square yard)	5208.11.2020, 5208.11.4020, 5208.11.8020, 5208.12.4020, 5208.12.6020, 5208.12.8020, 5208.21.2020, 5208.21.4020, 5208.21.6020, 5208.22.4020, 5208.22.6020, 5208.22.8020, 5208.31.4020, 5208.31.6020, 5208.31.8020, 5208.32.3020, 5208.32.4020, 5208.32.5020, 5208.51.4020, 5208.51.6020, 5208.51.8020, 5208.52.3020, 5208.52.4020, 5208.52.5020, 5210.11.4020, 5210.11.6020, 5210.11.8020, 5210.21.4020, 5210.21.6020, 5208.21.8020, 5210.31.4020, 5210.31.6020, 5210.31.8020, 5210.51.4020, 5210.51.6020, 5210.51.8020	5208.11.2020, 5208.11.4020, 5208.11.8020, 5208.12.4020, 5208.12.6020, 5208.12.8020, 5208.21.2020, 5208.21.4020, 5208.21.6020, 5208.22.4020, 5208.22.6020, 5208.22.8020, 5208.31.4020, 5208.31.6020, 5208.31.8020, 5208.32.3020, 5208.32.4020, 5208.32.5020, 5208.51.4020, 5208.51.6020, 5208.51.8020, 5208.52.3020, 5208.52.4020, 5208.52.5020, 5210.11.4020, 5210.11.6020, 5210.11.8020, 5210.21.4020, 5210.21.6020, 5208.21.8020, 5210.31.4020, 5210.31.6020, 5210.31.8020, 5210.51.4020, 5210.51.6020, 5210.51.8020
2211B 32, 2211B 36	Cotton poplin and broadcloth (more than 5.9 ounces per square yard)	5209.11.0020, 5209.21.0020, 5209.31.6020, 5209.51.6020, 5211.11.0020, 5211.21.0020, 5211.31.0020, 5211.51.0020	5209.11.0020, 5209.21.0020, 5209.31.6020, 5209.51.6020, 5211.11.0020, 5211.21.0020, 5211.31.0020, 5211.51.0020
2211B 71	Cotton duck	5209.11.0090, 5209.19.0060, 5209.21.0090, 5209.29.0060, 5209.31.6090, 5209.39.0060, 5209.51.6090, 5209.59.0060, 5211.11.0090, 5211.19.0060, 5211.21.0090, 5211.29.0060, 5211.31.0090, 5211.39.0060, 5211.51.0090, 5211.59.0060	5209.11.0090, 5209.21.0090, 5209.31.6090, 5209.51.6090, 5211.11.0090, 5211.21.0090, 5211.31.0090, 5211.51.0090

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2211B 51, 2211B 62, 2211B 64, 2211B 66	Cotton sheeting	5208.11.2040, 5208.11.4040, 5208.12.4040, 5208.12.6040, 5208.21.2040, 5208.21.4040, 5208.22.4040, 5208.22.6040, 5208.31.4040, 5208.31.6040, 5208.32.3040, 5208.32.4040, 5208.51.4040, 5208.51.6040, 5208.52.3040, 5208.52.4040, 5209.11.0030, 5209.11.0050, 5209.21.0030, 5209.21.0050, 5209.31.6030, 5209.31.6050, 5209.51.6030, 5209.51.6050, 5210.11.4040, 5210.11.6040, 5210.21.4040, 5210.21.6040, 5210.31.4040, 5210.31.6040, 5210.51.4040, 5210.51.6040, 5211.11.0030, 5211.11.0050, 5211.21.0030, 5211.21.0050, 5211.31.0030, 5211.31.0050, 5211.51.0030, 5211.51.0050	5208.11.2040, 5208.11.4040, 5208.12.4040, 5208.12.6040, 5208.21.2040, 5208.21.4040, 5208.22.4040, 5208.22.6040, 5208.31.4040, 5208.31.6040, 5208.32.3040, 5208.32.4040, 5208.51.4040, 5208.51.6040, 5208.52.3040, 5208.52.4040, 5209.11.0040, 5209.21.0040, 5209.31.6040, 5209.51.6040, 5210.11.4040, 5210.11.6040, 5210.21.4040, 5210.21.6040, 5210.31.4040, 5210.31.6040, 5210.51.4040, 5210.51.6040, 5211.11.0040, 5211.21.0040, 5211.31.0040, 5211.51.0040

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2211C 12, 2211C 22, 2211C 32, 2211C 34, 2211C 05	Cotton twills and sateens	5208.13.0000, 5208.19.2020, 5208.19.2090, 5208.23.0000, 5208.29.2020, 5208.29.2090, 5208.33.0000, 5208.39.2020, 5208.39.2090, 5208.53.0000, 5208.59.2020, 5208.59.2090, 5209.12.0020, 5209.12.0040, 5209.19.0020, 5209.19.0040, 5209.22.0020, 5209.22.0040, 5209.29.0020, 5209.29.0040, 5209.32.0020, 5209.32.0040, 5209.39.0020, 5209.39.0040, 5209.52.0020, 5209.52.0040, 5209.59.0020, 5209.59.0040, 5210.12.0000, 5210.19.2020, 5210.19.2090, 5210.22.0000, 5210.29.2020, 5210.29.2090, 5210.32.0000, 5210.39.2020, 5210.39.2090, 5210.52.0000, 5210.59.2020, 5210.59.2090, 5211.12.0020, 5211.12.0040, 5211.19.0020, 5211.19.0040, 5211.22.0020, 5211.22.0040, 5211.29.0020, 5211.29.0040, 5211.32.0020, 5211.32.0040, 5211.39.0020, 5211.39.0040, 5211.52.0020, 5211.52.0040, 5211.59.0020, 5211.59.0040	5208.13.0000, 5208.19.2000, 5208.23.0000, 5208.29.2000, 5208.33.0000, 5208.39.2000, 5208.53.0000, 5208.59.2000, 5209.12.0000, 5209.19.0030, 5209.22.0000, 5209.29.0030, 5209.32.0000, 5209.39.0030, 5209.52.0000, 5209.59.0030, 5210.12.0000, 5210.19.2000, 5210.22.0000, 5210.29.2000, 5210.32.0000, 5210.39.2000, 5210.52.0000, 5210.59.2000, 5211.12.0000, 5211.19.0030, 5211.22.0000, 5211.29.0030, 5211.32.0000, 5211.39.0030, 5211.52.0000, 5211.59.0030
2211C 01, 2211C 03	Blue denim	5209.42.0020, 5211.42.0020, 5209.42.0040, 5211.42.0040	5209.42.0020, 5211.42.0020, 5209.42.0020, 5211.42.0040

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2211E 00	Pile fabrics (including yarn dyed)	5801.21.0000- 5801.26.0020, 5802.11.0000, 5802.19.0000, 5802.20.0000, 5802.30.0020, 5802.30.0030, 5802.30.0090	5801.21.0000- 5801.26.0000, 5802.11.0000- 5802.30.9000
2211X XX	Cotton yarn dyed	5208.41.4000- 5208.41.8000, 5208.42.3000- 5208.42.5000, 5208.43.0000- 5208.49.8090, 5209.41.6020, 5209.41.6040, 5209.43.0020- 5209.49.0090, 5210.41.4000- 5210.49.8090, 5211.41.0020, 5211.41.0040, 5211.43.0020- 5211.49.0090	5208.41.9000, 5208.42.9000, 5208.43.0000, 5208.49.2000, 5208.49.9000, 5209.41.6070, 5209.43.0000, 5209.49.0000, 5210.41.0000- 5210.49.9000, 5211.41.0000, 5211.43.0000, 5211.49.0000
2211D 12	Cotton oxfords	5208.19.4020, 5208.19.6020, 5208.19.8020, 5208.29.4020, 5208.29.6020, 5208.29.8020, 5208.39.4020, 5208.39.6020, 5208.39.8020, 5208.59.4020, 5208.59.6020, 5208.59.8020, 5210.19.4020, 5210.19.6020, 5210.19.8020, 5210.29.4020, 5210.29.6020, 5210.29.8020, 5210.39.4020, 5210.39.6020, 5210.39.8020, 5210.59.4020, 5210.59.6020, 5210.59.8020	5208.19.9000, 5208.29.9000, 5208.39.9000, 5208.59.9000, 5209.19.0070, 5209.29.0070, 5209.39.0070, 5209.59.0070, 5210.19.9000, 5210.29.9000, 5210.39.9000, 5210.59.9000, 5211.19.0070, 5211.29.0070, 5211.39.0070, 5211.59.0070

See footnotes at end of table.



**Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued**

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2211D 32, 2211D 35, 2211D 45, 2211D 52, 2211D 62, 2211D 64	All other constructions	5208.19.4090, 5208.19.6090, 5208.19.8090, 5208.29.4090, 5208.29.6090, 5208.29.8090, 5208.39.4090, 5208.39.6090, 5208.39.8090, 5208.59.4090, 5208.59.6090, 5208.59.8090, 5209.19.0090, 5209.29.0090, 5209.39.0080, 5209.39.0090, 5209.59.0090, 5210.19.4090, 5210.19.6090, 5210.19.8090, 5210.29.4090, 5210.29.6090, 5210.29.8090, 5210.39.4090, 5210.39.6090, 5210.39.8090, 5210.59.4090, 5210.59.6090, 5210.59.8090, 5211.19.0090, 5211.29.0090, 5211.39.0090, 5211.59.0090	5208.19.9000, 5208.29.9000, 5208.39.9000, 5208.59.9000, 5209.19.0070, 5209.29.0070, 5209.39.0070, 5209.59.0070, 5210.19.9000, 5210.29.9000, 5210.39.9000, 5210.59.9000, 5211.19.0070, 5211.29.0070, 5211.39.0070, 5211.59.0070
2221C 01, 2221C 03	Nylon and polyester high tenacity fabrics	5407.10.0010, 5407.10.0090	5407.10.0000
2221B 01	Rayon high tenacity fabrics	5408.10.0000	5408.10.0000
2221C 11	Typewriter fabrics	5407.41.0010, 5407.41.0020	
2221C 13, 2221C 15, 2221C 23, 2221C 25, 2221C 31, 2221C 33	Other nylon filament fabrics	5407.41.0030- 5407.44.0060	5407.41.0000- 5407.44.0000
2221B 21, 2221B 23, 2221B 25, 2221B 27, 2221B 41, 2221B 43, 2221B 51, 2221B 53	Rayon and acetate filament yarn fabrics	5408.21.0030- 5408.24.0060	5408.21.0000- 5408.24.0000

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221C 43, 2221C 44, 2221C 45, 2221C 50, 2221C 62, 2221C 66, 2221C 73	Polyester filament yarn fabric	5407.51.0020, 5407.51.0040, 5407.51.0060, 5407.52.2020, 5407.52.2040, 5407.52.2060, 5407.53.2020, 5407.53.2040, 5407.53.2060, 5407.54.0020, 5407.54.0040, 5407.54.0060, 5407.60.2005, 5407.60.2010, 5407.60.2015, 5407.60.2025, 5407.60.2030, 5407.60.2035, 5407.60.2045, 5407.60.2050, 5407.60.2055, 5407.60.2065, 5407.60.2070, 5407.60.2075	5407.51.0000, 5407.52.0000, 5407.53.0000, 5407.54.0000
2221C 82, 2221C 89	Glass fiber fabrics	7019.20.2000, 7019.20.5000	7019.20.4000
2221C 92, 2221C 93	All other filament yarn fabrics	5407.71.0030- 5407.74.0060	5407.71.0000- 5407.74.0000
2221D 04, 2221D 08, 2221D 43, 2221D 44	Chiefly manmade fiber cheesecloth, lawns, and batistes	5512.11.0040, 5512.19.0035, 5512.21.0040, 5512.29.0030, 5512.91.0040, 5512.99.0030, 5513.11.0090, 5513.19.0040, 5513.21.0090, 5513.29.0040, 5513.41.0090, 5513.49.0040, 5515.11.0030, 5515.19.0030, 5515.29.0030, 5515.99.0030, 5516.41.0040, 5516.42.0040, 5516.44.0040, 5516.91.0040, 5516.92.0040, 5516.94.0040	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000
2221D 24, 2221D 26	Poplin and broadcloth poly/cotton (5.0 ounces or less per square yard)	5513.11.0020, 5513.21.0020, 5513.41.0020	5512.11.0000- 5514.49.0000 5515.11.0000 5515.19.0000 5515.29.0000 5515.99.0000 5516.41.0000 5516.94.0000

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221D 28, 2221D 32	Poplin and broadcloth poly/cotton (over 5.0 ounces per square yard)	5514.11.0020, 5514.21.0020, 5514.41.0020	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000
2211D 34	Poplin and broadcloth, all other spun yarn	5512.11.0010, 5512.19.0015, 5512.21.0010, 5512.29.0015, 5512.91.0010, 5512.99.0015, 5513.19.0010, 5513.29.0010, 5513.49.0010, 5514.19.0010, 5514.29.0010, 5514.49.0010, 5515.11.0015, 5515.19.0015, 5515.29.0015, 5515.99.0015, 5516.41.0010, 5516.42.0010, 5516.44.0010, 5516.91.0010, 5516.92.0010, 5516.94.0010	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000
2221D 14	Poly/cotton print cloth	5513.11.0060, 5513.21.0060, 5513.41.0060	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000
2221D 16, 2221D 18	Other spun yarn, chiefly manmade fiber print cloth	5512.11.0030, 5512.19.0030, 5512.21.0030, 5512.29.0025, 5512.91.0030, 5512.99.0025, 5513.19.0030, 5513.29.0030, 5513.49.0030, 5515.11.0025, 5515.19.0025, 5515.29.0025, 5515.99.0025, 5516.41.0030, 5516.42.0030, 5516.44.0030, 5516.91.0030, 5516.92.0030, 5516.94.0030	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221D 88, 2221D 92	Duck	5512.11.0050, 5512.19.0040, 5512.21.0050, 5512.29.0035, 5512.91.0050, 5512.99.0035, 5514.11.0090, 5514.13.0040, 5514.19.0030, 5514.21.0090, 5514.23.0040, 5514.29.0030, 5514.41.0090, 5514.43.0040, 5514.49.0030, 5515.11.0035, 5515.19.0035, 5515.29.0035, 5515.99.0035, 5516.41.0050, 5516.42.0050, 5516.44.0050, 5516.91.0050, 5516.92.0050, 5516.94.0050	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000
2221D 51, 2221D 53, 2221D 74, 2221D 76	Poly-cotton sheeting	5513.11.0040, 5513.21.0040, 5513.41.0040, 5514.11.0030, 5514.11.0050, 5514.21.0030, 5514.21.0050, 5514.41.0030, 5514.41.0050	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000
2221D 55, 2221D 64, 2221D 66, 2221D 82, 2221D 84, 2221D 86	Other manmade fiber spun yarn sheeting	5512.11.0022, 5512.11.0027, 5512.19.0022, 5512.19.0027, 5512.21.0020, 5512.29.0020, 5512.91.0020, 5512.99.0020, 5513.19.0020, 5513.29.0020, 5513.49.0020, 5514.19.0020, 5514.29.0020, 5514.49.0020, 5515.11.0020, 5515.19.0020, 5515.29.0020, 5515.99.0020, 5516.41.0022, 5516.41.0027, 5516.42.0022, 5516.42.0027, 5516.44.0022, 5516.44.0027, 5516.91.0020, 5516.92.0020, 5516.94.0020	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221E 03, 2221G 46	Manmade fiber blue denim	5512.19.0010, 5512.29.0010, 5512.99.0010, 5514.32.0010, 5514.39.0010, 5515.11.0010, 5515.19.0010, 5515.29.0010, 5515.99.0010, 5516.43.0010, 5516.93.0010	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000
2221E 14, 2221E 22, 2221E 24, 2221E 26, 2221E 28, 2221F 05, 2221F 07	Twills and sateens	5512.11.0060, 5512.19.0045, 5512.21.0060, 5512.29.0040, 5512.91.0060, 5512.99.0040, 5513.12.0000, 5513.13.0020, 5513.19.0050, 5513.22.0000, 5513.23.0020, 5513.29.0050, 5513.32.0000, 5513.43.0020, 5513.42.0000, 5513.49.0050, 5514.12.0020, 5514.12.0040, 5514.13.0020, 5514.19.0040, 5514.22.0020, 5514.22.0040, 5514.23.0020, 5514.29.0040, 5514.42.0020, 5514.42.0040, 5514.43.0020, 5514.49.0040, 5515.11.0040, 5515.19.0040, 5515.29.0040, 5515.99.0040, 5516.11.0020, 5516.12.0020, 5516.14.0020, 5516.41.0060, 5516.42.0060, 5516.44.0060, 5516.91.0060, 5516.92.0060, 5516.94.0060	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221F 12, 2221F 16	Oxfords	5512.11.0070, 5512.19.0050, 5512.21.0070, 5512.29.0045, 5512.91.0070, 5512.99.0045, 5513.13.0040, 5513.19.0060, 5513.23.0040, 5513.29.0060, 5513.43.0040, 5513.49.0060, 5515.11.0045, 5515.19.0045, 5515.29.0045, 5515.99.0045, 5516.41.0070, 5516.42.0070, 5516.44.0070, 5516.91.0070, 5516.92.0070, 5516.94.0070	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000
2221X XX	Manmade fiber yarn dyed	5512.19.0005, 5512.29.0005, 5512.99.0005, 5513.31.0000- 5513.39.0090, 5514.31.0000, 5514.32.0090, 5514.33.0010, 5514.33.0090, 5514.39.0020, 5514.39.0090, 5515.11.0005, 5515.19.0005, 5515.29.0005, 5515.99.0005, 5516.13.0000, 5516.43.0020- 5516.43.0090, 5516.93.0020, 5516.93.0090	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221F 33, 2221F 36, 2221F 42, 2221F 44, 2221F 52, 2221F 54, 2221F 56, 2221F 58	All other manmade fiber spun yarn	5512.11.0090, 5512.19.0090, 5512.21.0090, 5512.29.0090, 5512.91.0090, 5512.99.0090, 5513.13.0090, 5513.19.0090, 5513.23.0090, 5513.29.0090, 5513.43.0090, 5513.49.0090, 5514.13.0090, 5514.19.0090, 5514.23.0090, 5514.29.0090, 5514.43.0090, 5514.49.0090, 5515.11.0090, 5515.19.0090, 5515.29.0090, 5515.99.0090, 5516.41.0090, 5516.42.0090, 5516.44.0090, 5516.91.0090, 5516.92.0090, 5516.94.0090	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000
2221H 21, 2221H 22, 2221H 92, 2221H 98	Manmade/wool blends, chiefly manmade	5407.91.1000, 5407.92.1000, 5407.93.1000, 5407.94.1000, 5408.31.1000, 5408.32.1000, 5408.33.1000, 5408.34.1000, 5515.13.1000, 5515.22.1000, 5515.92.1000, 5516.31.1000- 5516.34.1000	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221G 04, 2221G 07, 2221G 19, 2221G 21, 2221G 77, 2221G 33, 2221G 45, 2221G 48, 2221G 39, 2221G 63, 2221G 68, 2221G 82, 2221G 84, 2221G 87	Spun/filament combinations	5407.81.0010- 5407.84.0090, 5407.91.2020- 5407.91.2090, 5407.92.2020- 5407.92.2090, 5407.93.2020- 5407.93.2090, 5407.94.2020- 5407.94.2090, 5408.31.2020- 5408.31.2090, 5408.32.9020- 5408.32.9090, 5408.33.9020- 5408.33.9090, 5408.34.9020- 5408.34.9090, 5515.12.0010- 5515.12.0090, 5515.21.0010- 5515.21.0090, 5515.91.0010- 5515.91.0090, 5516.21.0010- 5516.24.0090	5407.81.0000- 5407.94.0000, 5408.31.0000- 5408.34.0000, 5515.12.0000, 5515.21.0000, 5515.91.0000, 5516.21.0000- 5516.24.0000
2221H 01, 2221H 11	Manmade fiber pile	5801.31.0000- 5801.36.0020, 5802.20.0020, 5802.30.0030	5801.31.0000- 5801.36.0000, 5802.20.0000, 5802.30.0000
2221H 31	Silk fabrics	5007.10.3020- 5007.90.6090	5007.10.0000 5007.90.0000

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
22312 01, 22312 02, 22312 21, 22312 23, 22312 62, 22312 85	Wool fabrics	5111.11.6000- 5112.90.6090, 5212.11.1010, 5212.11.1020, 5212.12.1010, 5212.12.1020, 5212.13.1010, 5212.13.1020, 5212.14.1010, 5212.14.1020, 5212.15.1010, 5212.15.1020, 5212.21.1010, 5212.21.1020, 5212.22.1010, 5212.22.1020, 5212.23.1010, 5212.23.1020, 5212.24.1010, 5212.24.1020, 5212.25.1010, 5212.25.1020, 5407.91.0510, 5407.91.0520, 5407.92.0510, 5407.92.0520, 5407.93.0510, 5407.93.0520, 5407.94.0510, 5407.94.0520, 5408.31.0510, 5408.31.0520, 5408.32.0510, 5408.32.0520, 5408.33.0510, 5408.33.0520, 5408.34.0510, 5408.34.0520, 5515.13.0510, 5515.13.0520, 5515.22.0510, 5515.22.0520, 5515.92.0510, 5515.92.0520, 5516.31.0510, 5516.31.0520, 5516.32.0510, 5516.32.0520, 5516.33.0510, 5516.33.0520, 5516.34.0510, 5516.34.0520, 5801.10.0000	5111.11.0000- 5112.90.0000, 5801.14.0000

<sup>1</sup>Source: *Harmonized Tariff Schedule of the United States, Annotated* (1991).

<sup>2</sup>Source: 1991 edition, *Harmonized System-Based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States*.



## DESCRIPTION OF SURVEY

**Scope of Survey.** This survey covers all companies manufacturing broadwoven fabrics (gray) in the United States, except very small firms (generally less than 5 employees) for which 1987 Census of Manufactures data were derived from administrative records of other Government agencies.

**Survey Methodology.** The statistics in this publication were collected by mail on Bureau of the Census quarterly Form MQ22T, Broadwoven Fabrics (Gray). The survey panel includes all known manufacturers of broadwoven fabrics (gray), except those very small firms excluded from the scope of the survey. Approximately 375 establishments are included.

Participation in the quarterly survey is voluntary. However, annual reports are required from those establishments that do not report quarterly. The annual summary includes revisions of quarterly data originally estimated (see "Reliability of Data" below) for establishments which only report annually.

**Reliability of Data.** Survey error may result from several sources: (1) inability to obtain information about all cases in the survey, (2) response errors, (3) definitional difficulties, (4) differences in the interpretation of questions, (5) mistakes in recording or coding the data obtained, and (6) other errors of collection, response, coverage, and estimation for missing data. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is due to imputing data for nonrespondents, for late reporters, and for data which failed the edit. Missing figures are imputed based on quarter-to-quarter movements shown by reporting firms. Imputation generally is limited to a maximum of 10 percent for any one data cell. Figures with imputation rates greater than 10 percent are footnoted.

The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse, because the actual quarterly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is not precisely known, but is assumed to be small. The degree of uncertainty regarding the accuracy of the published data, however, increases as the percentage of imputation increases. Figures with imputation rates above 25 percent should be used with caution.

**Revisions to Previous Period Data.** Statistics for previous quarters may be revised as the result of corrected data from respondents, including the receipt of late

reports for which imputations were made as described above. Figures which have been revised by more than 5 percent from previously published figures are indicated by footnotes.

## EXPLANATION OF TERMS

*Woolen and Worsted Fabrics, Chiefly Wool.* Fabrics wholly or chiefly by weight of wool, reprocessed wool, or reused wool. Apparel fabrics include all fabrics that may be labeled as being made entirely of wool, reprocessed wool, and reused wool under the Wool Products Labeling Act. This includes blends of wool of sheep with, and fabrics entirely of mohair, cashmere, camel hair, alpaca, llama, and vicuna.

*Cotton Fabrics.* Fabrics wholly or chiefly by weight of cotton.

*Manmade Fiber Fabrics.* Fabrics wholly or chiefly by weight of manmade fibers.

*Blends and Mixtures.* Fabrics made from more than one fiber are classified in the same way as other fabrics, i.e., according to whether the fabric is chiefly cotton, wool, or manmade fiber. As examples, a fabric which is 55 percent cotton and 45 percent rayon is classified as cotton; a fabric which is 40 percent cotton, 30 percent rayon, and 30 percent acetate is classified as manmade.

Blends and mixture which are by weight 50 percent natural fiber and 50 percent manmade fiber are, for purposes of continuity, classified in the manmade category.

*Production.* Represents total production of broadwoven gray fabrics by all weaving mills regardless of their primary activity.

*Units of Quantity.* Production is reported in thousands of square yards except for tire cord and tire cord fabrics, which are reported in thousands of pounds.

*Looms Operating.* Represents number of looms (assigned to the specific fabrics) operating at the end of the quarter.

*Spun Yarn Fabrics.* Includes all fabrics that contain 85 percent or more spun yarns.

*Filament Yarn Fabrics.* Includes all fabrics that contain 85 percent or more filament yarns.

*Spun/Filament Combinations.* Includes fabrics that are combinations of spun and filament yarn where neither the spun nor the filament yarns exceed 85 percent.



**Plain Weave Fabrics.** A fabric construction in which each yarn of the weft passes alternately over and under successive yarns of the warp and each yarn of the warp passes alternately over and under successive yarns of the weft.

**Tobacco, Cheese, and Bandage Cloth.** Fabrics of plain weave, weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) consisting of 85 or less warp ends and filling picks per square inch, whether or not napped.

**Print Cloth.** Fabrics of plain weave, weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) of average yarn numbers 26-40, consisting of more than 85 singles yarns per square inch, of square construction, whether or not of yarns of different colors (yarn dyed), whether or not napped.

**Poplin and Broadcloth.** Fabrics of plain weave, not of square construction, whether or not napped, but does not include the following types—fabrics weighing not more than 5.9 ounces per square yard, containing 85 or less warp ends and filling picks per square inch, or fabrics weighing more than 5.9 ounces per square yard of average yarn number 15 or lower.

**Lawns, Voiles, and Batistes.** Fabrics of plain weave weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) consisting of more than 85 warp ends and filling picks per square inch, of square construction, of average yarn number 41 or higher, whether or not napped.

**Sheeting.** Fabrics of plain weave, whether or not napped, of the following types:

Fabrics weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), of square construction, containing more than 85 warp end and filling picks per square inch, of average yarn number 40 or lower, but not including print cloth.

Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) but does not include fabrics of which the warp or filling, or both, consists of multiple (folded) or cabled yarns, of average yarn number 15 or lower or fabrics of average yarn number 16 or higher number, not of square construction.

**Twill Weave Fabrics.** Fabrics in which the warp and filling yarns are interlaced in such a manner as to produce a diagonal or bias effect on the face of the fabric.

**Blue Denim.** Fabrics of 3- or 4-thread twill, including broken twill and warp faced, the warp yarns of which are dyed blue and the weft yarns of which are unbleached, bleached, dyed gray, or colored a lighter shade of blue than that of the warp yarns.

**All Other Denim.** Includes sport denims and all other denim not include above.

**Canton Flannel.** Fabric woven with a four-harness warp face twill with heavy, soft filling yarn, and a medium count warp. A long nap is raised on the back.

**Sateens.** Fabrics woven with a satin weave, whether or not napped, in which the surface of the cloth consists almost entirely of warp or filling floats; that is, in the repeat of a weave pattern, each yarn of one system passes over several yarns of the other system before interlacing.

**Oxfords.** Fabrics weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), whether or not napped, woven as plain weave except that two or more warp ends are woven as one (taped warp). Oxford cloth is not to be classified as a plain weave fabric.

**Duck.** Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), of average yarn number 15 or lower number, whether or not napped, of a plain weave where the warp or filling, or both, consists of multiple (folded) or cabled yarns.

**Taped Warp Duck.** Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces (chiefly cotton fabric), of average yarn number 15 or lower number, whether or not napped, of a plain weave except that two or more warp ends are woven as one (tape warp) whether or not containing multiple (folded) or cabled yarns.

**Shirting, Jacquard or Dobby.** Fabrics weighing not more than 5 ounces per square (chiefly manmade fiber) or 5.9 ounces per square yard (chiefly cotton fiber) whether or not napped, woven wholly or in part with jacquard or dobby attachment.

**Table Damask.** Fabrics, whether or not napped, woven wholly or in part with jacquard or dobby attachment characterized by elaborate decorative designs, usually of floral patterns. The designs are reversible and are formed by warp-face satin weave. Table damask is generally all white, although it is sometimes made with colored stripes or in solid pastel shades.



*Ginghams, Plaids, and Checks.* Yarn dyed fabrics composed of two or more colors in the warp and two or more colors in the filling.

*Stripes and Other Yarn Dyed Fabrics.* Yarn dyed fabrics composed of any number of colors in the warp but only one color in the filling.

*High Tenacity Yarn Fabric.* Fabric made from yarns having a tenacity, expressed in centinewtons per tex (cN/tex) greater than 60 cN/tex for multiple (folded) or cabled yarns of nylon or polyester; or 27 cN/tex for multiple (folded), cabled, or singles yarns of viscose rayon.

*Flat Fabrics.* Fabrics containing yarns having less than 12 turns per inch.

## COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

The trade comparisons shown in this report should be considered only as approximations. Several problems prevent precise comparisons among imports, exports, and domestic output. These problems include the following:

- Export and import comparisons do not account for the origin of materials used to manufacture the finished product. Domestic output includes any goods that undergo substantial transformation into a finished product in the U.S., even if the goods are partially constructed abroad or are constructed of imported materials.
- There will be a lag between the time a producer makes or ships a product and the time it is actually exported. Similarly, there may be a lag between the time a product is imported and when it enters into U.S. distribution channels.
- The basic structures of these classification systems differ. The Standard Industrial Classification (SIC) system used for domestic output was developed independently of the Harmonized System (HS) used to classify imports and exports. The level of detail provided by the different systems varies substantially, reflecting their different objectives. For example, there are a number of imported commodities that have no comparable domestic output classification.
- Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of domestic output data for such commodities may contain some duplication.
- Import and export data reflect the movement of merchandise into and out of U.S. foreign trade zones, the U.S. Virgin Islands, and the U.S. customs territory of

the 50 States, the District of Columbia, and Puerto Rico. Domestic output reflects activity in the 50 States and, only if specified, in Puerto Rico.

- Import and export data generally do not distinguish between new, used or rebuilt commodities.
- The valuations of the three data sets differ. Domestic output is valued at the point of production. It includes the net sales price, f.o.b. plant, after discounts and allowances, and excludes freight charges and excise taxes. Exports are valued at the point of exportation. Export value includes the net sales price or value, and inland freight, insurance and other charges to the export point. Imports are valued at the first port of entry in the United States. They include the cost, insurance, freight, duty, and other charges to the import point.
- Detailed commodity information is not included for individual export or import shipments at or below a certain dollar limit. This dollar limit is \$2,500 for exports and \$1,250 for imports, except for import of textiles and textile products, gloves, footwear, and miscellaneous rubber and plastics products, where the limit is \$250.

## HISTORICAL NOTE

Data on broadwoven fabrics (gray) have been collected by the Bureau of the Census since 1943. Historical data may be obtained from Current Industrial Reports (called Facts for Industry before 1959) available at your local Federal Depository Library. A list of these libraries may be obtained from the Bureau of the Census regional offices:

Office	Telephone
Atlanta, Georgia	404-730-3833
Boston, Massachusetts	617-565-7100
Charlotte, North Carolina	704-344-6142
Chicago, Illinois	312-353-6251
Dallas, Texas	214-767-0621
Denver, Colorado	303-969-6750
Detroit, Michigan	313-354-4654
Kansas City, Kansas	913-236-3728
Van Nuys, California	818-904-6339
New York, New York	212-264-4730
Philadelphia, Pennsylvania	215-597-8313
Seattle, Washington	206-728-5314

Historical data are also available on microfiche. For further information, contact the Bureau of the Census, Data User Services Division 301-763-4100.

## RELATED REPORTS

A quarterly Current Industrial Report is published in this series. The Bureau of the Census also publishes the following related reports:



Series	Frequency	Title
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MQ23X	Quarterly	<i>Sheets, Pillowcases, and Towels</i>
MA22F.1	Annually	<i>Textured Yarn Production</i>
MA22F.2	Annually	<i>Spun Yarn Production</i>
MA22K	Annually	<i>Knit Fabric Production</i>
MA22Q	Annually	<i>Carpet and Rugs</i>
MA22M	Biennially	<i>Stocks of Wool and Related Fibers</i>
MQ23A	Quarterly	<i>Apparel</i>
MA23D	Annually	<i>Gloves and Mittens</i>
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(AS)	Annually	Annual Survey of Manufactures (ASM)
(MC)	Quinquennially	Census of Manufactures
<i>Foreign Trade Reports</i>		
CD-ROM	Monthly/Annually	<i>U.S. Exports—Schedule B—Commodity by Country</i>
ET 447	Annually	
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ET 247	Annually	

## CONTACTS FOR DATA USERS

Subject Area	Contact	Phone Number
Current Industrial Report MQ22T	Keith Featherstone	301-763-2553
Manufacturers' Shipments, Inventories, and Orders	Steve Andrews	301-763-2502
Classification Systems Comparability	Francis McCormick (ESD)	301-763-1935
Census/ASM	Ted McGrath	301-763-5152
Foreign Trade	Trade Data Inquiries Staff (FTD)	301-763-5140
Office of Textiles and Apparel	James Bennett	202-377-4058
To order a Current Industrial Report	Superintendent of Documents (GPO)	202-783-3238
To subscribe to a Census Bureau publication	Superintendent of Documents (GPO)	202-512-2303

## ACKNOWLEDGMENTS

This report was prepared in the Industry Division, Bureau of the Census, under the direction of Judy Dodds, Chief, Current Nondurables Branch, and Robert Reinard, Chief, Textiles and Apparel Section. Keith Featherstone was directly responsible for the review of the data and preparation of the report. Roger H. Bugenhagen, Acting Chief of the Division, and Robert N. Tinari, Assistant Chief for Current Industrial Reports, provided overall direction and coordination to this project.

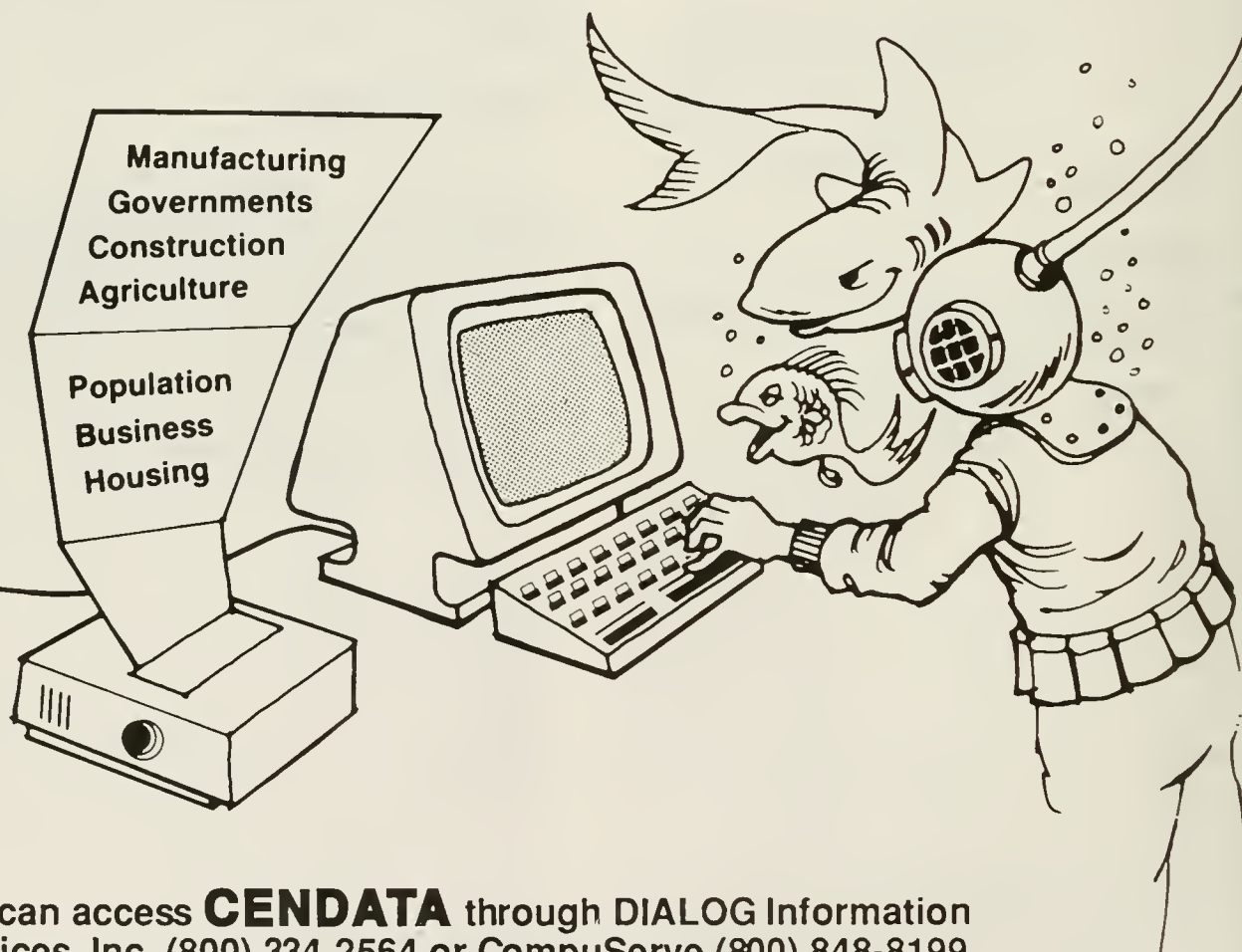


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U.S. Department of Commerce  
Economics and Statistics Administration  
BUREAU OF THE CENSUS

# Broadwoven Fabrics (Gray)

FIRST QUARTER 1992

MQ22T(92)-1  
Issued August 1992

The statistics in this publication are based on a survey of manufactures and represent total U.S. production of broadwoven fabrics over 12 inches. Estimates are included

for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information appears on page 23.

This report is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100.

Table 1. SUMMARY OF PRODUCTION OF BROADWOVEN GRAY FABRICS, BY TYPE OF FABRIC: 1987 TO 1992

(Millions of square yards)

Year	Chiefly cotton fabrics	Manmade fiber fabrics, including silk and manmade/wool blends	Chiefly wool fabric	Tire cord and tire cord fabrics
<b>1992</b>				
First quarter .....	1,145.5	2,758.2	46.2	198.0
<b>1991</b>				
Fourth quarter .....	1,093.3	2,751.1	41.5	186.2
Third quarter .....	1,081.6	2,644.7	41.4	175.1
Second quarter .....	1,147.9	2,675.6	48.7	180.8
First quarter .....	1,080.7	2,543.2	38.0	178.6
<b>1990</b>				
Fourth quarter .....	1,048.0	2,700.2	31.4	177.8
Third quarter .....	1,087.3	2,585.9	32.6	172.5
Second quarter .....	1,126.6	2,664.2	38.7	183.3
First quarter .....	1,201.5	2,712.2	38.0	184.7
<b>1989</b>				
Fourth quarter .....	1,105.8	2,714.6	37.0	161.4
Third quarter .....	1,134.3	2,670.0	40.1	172.0
Second quarter .....	1,191.8	2,782.2	50.9	179.3
First quarter .....	1,157.2	2,796.0	48.3	175.7
<b>1988</b>				
Fourth quarter .....	1,052.3	2,847.7	43.9	168.9
Third quarter .....	1,072.2	2,735.6	43.0	169.5
Second quarter .....	1,255.0	2,877.6	53.0	157.7
First quarter .....	1,252.1	2,908.8	50.6	153.8
<b>1987</b>				
Fourth quarter .....	1,178.2	2,945.9	40.9	126.8
Third quarter .....	1,219.1	2,787.7	36.0	122.1
Second quarter .....	1,216.9	2,764.0	45.9	121.9
First quarter .....	1,158.0	2,736.7	46.0	124.5

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Keith Featherstone (301) 763-2553.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.



**Table 2. SUMMARY OF PRODUCTION AND LOOM ASSIGNMENTS OF BROADWOVEN GRAY FABRICS**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	First quarter 1992		Fourth quarter 1991		Production, year-to-date (M sq. yards)
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)	
	Cotton and chiefly cotton fabrics mixed mainly or solely with manmade fibers . . . . .	29,398	1,145,515	30,604	1,093,309	1,145,515
2211B 00	Plain weaves . . . . .	13,781	557,060	14,606	510,597	557,060
2211C 00	Twill weaves . . . . .	7,278	354,396	7,589	350,173	354,396
2211D 00	All other weaves except pile . . . . .	3,340	113,542	3,739	123,209	113,542
2211E 00	Pile fabrics . . . . .	4,999	120,517	4,670	109,330	120,517
	Chiefly cotton fabrics mixed mainly or solely with other than manmade fibers . . . . .	(D)	(D)	(D)	(D)	(D)
	Manmade fiber and silk gray broadwoven fabrics . . . . .	59,497	2,758,207	59,399	2,751,072	2,758,207
2221B 00	85 percent or more filament rayon and/or acetate fabrics . . . . .	7,163	193,157	6,953	177,804	193,157
2221C 00	85 percent or more filament fabrics, except rayon and/or acetate . . . . .	16,070	1,178,587	16,159	1,283,244	1,178,587
	85 percent or more spun yarn fabrics, except wool blends . . . . .	28,108	1,044,094	28,180	967,102	1,044,094
2221D 00	Plain weave, except pile . . . . .	21,501	854,206	21,629	798,445	854,206
2221E 00	Twill weave, except pile . . . . .	3,599	109,595	3,481	103,922	109,595
2221F 00	All other weaves, except pile . . . . .	3,008	80,293	3,070	64,735	80,293
2221G 00	Spun/filament yarn combinations . . . . .	(D)	(D)	(D)	(D)	(D)
2221H 10	Pile fabrics . . . . .	738	12,224	723	13,120	12,224
2221H 2X	All other chiefly manmade fiber fabrics, including chiefly manmade fiber blends with wool . . . . .	(D)	(D)	(D)	(D)	(D)
	Silk fabrics . . . . .	88	269	86	226	269
2221H 01	Woolen and worsted fabrics . . . . .	1,936	46,237	1,906	41,455	46,237

(D) Data withheld to avoid disclosing figures for individual companies.

\*Revised by 5 percent or more from previously published figures.

**Table 3. SUMMARY OF PRODUCTION OF BROADWOVEN FABRIC BY TEXTILE CATEGORY**

(Thousands of square yards)

Product description	Production during quarter		Production year-to-date
	First quarter 1992	Fourth quarter 1991	
Blue denim . . . . .	191,114	181,347	191,114
All other yarn dyed fabric . . . . .	124,749	125,065	124,749
Plain weave . . . . .	24,528	27,096	24,528
Twill weave . . . . .	35,420	36,508	35,420
All other weave . . . . .	64,801	61,461	64,801
Cheesecloth and batistes . . . . .	310,446	267,320	310,446
Duck . . . . .	(D)	(D)	(D)
Oxfords . . . . .	20,401	21,360	20,401
Pile fabrics . . . . .	132,741	122,450	132,741
Special weave fabric . . . . .	92,128	85,672	92,128
Other fabrics, chiefly cotton fiber:			
Print cloth . . . . .	109,222	111,679	109,222
Poplin and broadcloth . . . . .	12,632	16,854	12,632
Sheeting . . . . .	157,936	146,421	157,936
Twill . . . . .	128,611	133,194	128,611
Sateens . . . . .	9,161	11,110	9,161
Other fabrics, chiefly manmade fiber:			
Manmade/wool blends . . . . .	(D)	(D)	(D)
85 percent or more filament yarn fabrics:			
Typewriter . . . . .	28,719	26,018	28,719
Other nylon . . . . .	112,266	114,367	112,266
Rayon and acetate . . . . .	193,157	177,804	193,157
Polyester . . . . .	186,471	189,381	186,471
Glass fiber . . . . .	91,774	78,248	91,774
All other . . . . .	759,357	875,230	759,357
85 percent or more spun yarn fabrics:			
Print cloth . . . . .	176,415	182,105	176,415
Poplin and broadcloth . . . . .	146,303	143,695	146,303
Sheeting . . . . .	460,621	401,008	460,621
Twill and sateens . . . . .	116,866	112,241	116,866
Spun filament combinations except blue denim:			
Print cloth . . . . .	97,022	83,956	97,022
Poplin and broadcloth . . . . .	66,814	66,346	66,814
Sheeting . . . . .	38,439	33,472	38,439
Twill and sateens . . . . .	24,647	29,056	24,647
Other . . . . .	82,529	76,351	82,529
Wool fabrics . . . . .	46,237	41,455	46,237
Silk fabrics . . . . .	269	226	269

(D) Data withheld to avoid disclosing figures for individual companies.

\*Revised by 5 percent or more from previously published figures.



**Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	First quarter 1992		Fourth quarter 1991	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
2211B 02	Tobacco, cheese, and bandage cloth . . . . .	3,305	316,980	3,448	274,316
2221D 03	More than 50 percent cotton . . . . .	2,724	261,156	2,871	220,252
2221D 04	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
2221D 05	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211B 05	Chiefly cotton . . . . .	-	-	(D)	(D)
2221G 04	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	Print cloth . . . . .	13,281	382,659	<sup>1</sup> 13,799	377,743
2211B 12	More than 50 percent cotton . . . . .	5,957	109,222	6,510	111,682
2221D 13	Chiefly spun polyester mixed with cotton . . . . .	5,113	153,637	5,152	154,677
2221D 15	Chiefly spun polyester mixed with rayon . . . . .	(D)	(D)	(D)	(D)
2221D 16	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
2221D 18	All other fabrics, 85 percent or more spun yarn . . . . .	379	12,678	386	17,691
	Spun/filament combinations . . . . .	1,499	97,022	1,445	83,958
2211B 14	Chiefly cotton . . . . .	-	-	-	-
2221G 07	Chiefly manmade . . . . .	1,499	97,022	1,445	83,958
	Poplin and broadcloth . . . . .	6,397	245,019	<sup>1</sup> 6,687	<sup>1</sup> 249,271
	More than 50 percent cotton . . . . .	424	14,966	408	19,558
	Weighing 5.9 ounces or less per square yard . . . . .	337	11,977	358	15,825
2211B 21	Carded . . . . .	165	4,088	149	5,012
2211B 25	Combed . . . . .	172	7,889	209	10,813
2211B 30	Weighing more than 5.9 ounces per square yard . . . . .	87	2,989	50	3,733
	Chiefly spun polyester mixed with cotton . . . . .	3,741	133,656	3,767	129,229
	Weighing 5.0 ounces or less per square yard . . . . .	3,557	124,334	3,487	115,684
2221D 23	Carded . . . . .	2,915	91,179	2,801	80,861
2221D 25	Combed . . . . .	642	33,155	686	34,823
	Weighing more than 5.0 ounces per square yard . . . . .	184	9,322	280	13,545
2221D 27	Carded . . . . .	(D)	(D)	(D)	(D)
2221D 31	Combed . . . . .	(D)	(D)	(D)	(D)
2221D 33	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
2221D 34	All other fabrics, 85 percent or more spun yarn . . . . .	748	22,581	<sup>1</sup> 850	<sup>1</sup> 26,453
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211B 35	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 19	Chiefly manmade . . . . .	1,205	66,814	<sup>1</sup> 1,219	<sup>1</sup> 66,346
	Lawns, voiles, and batistes . . . . .	87	542	<sup>1</sup> 107	1,237
2211B 41	More than 50 percent cotton . . . . .	(D)	(D)	(D)	(D)
2221D 41	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
2221D 44	Chiefly spun rayon and/or acetate . . . . .	-	-	-	-
2221D 42	All other fabrics, 85 percent or more spun yarn . . . . .	-	-	-	-
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211B 43	Chiefly cotton . . . . .	-	-	(D)	(D)
2221G 28	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	Duck, including taped warp duck . . . . .	610	14,810	645	<sup>1</sup> 14,139
2211B 71	More than 50 percent cotton . . . . .	260	7,499	288	<sup>1</sup> 6,825
2221D 89	Chiefly spun polyester mixed with cotton . . . . .	141	2,438	168	2,838
2221D 91	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211B 75	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221B 77	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	Bedsheeting . . . . .	11,009	473,150	11,120	426,946
2211B 45	More than 50 percent cotton . . . . .	2,436	90,475	<sup>1</sup> 2,639	<sup>1</sup> 84,158
	Chiefly spun polyester mixed with cotton . . . . .	7,590	331,973	7,528	297,026
2221D 43	Carded . . . . .	1,494	91,678	1,193	73,267
2221D 45	Combed . . . . .	6,096	240,295	6,335	223,759
2221D 46	Chiefly spun rayon and/or acetate . . . . .	-	-	-	-
2221D 47	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211B 47	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 33	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	All other sheeting, including osnaburgs . . . . .	4,059	189,104	<sup>1</sup> 3,817	<sup>1</sup> 158,672
2211B 61	More than 50 percent cotton . . . . .	1,520	54,853	1,462	51,563
	Weighing 5.9 ounces or less per square yard . . . . .	1,207	39,285	1,110	36,480
	Weighing more than 5.9 ounces per square yard . . . . .	313	15,568	352	15,083
2211B 63	Blanketing . . . . .	174	11,323	218	10,794
2211B 65	All other fabric . . . . .	139	4,245	134	4,289
	85 percent or more spun polyester . . . . .	148	5,873	<sup>1</sup> 163	6,214
2221D 63	Blanketing . . . . .	(D)	(D)	(D)	(D)
2221D 65	All other fabric . . . . .	(D)	(D)	(D)	(D)
	Chiefly spun polyester mixed with cotton . . . . .	1,465	79,585	1,331	55,799
2221D 73	Weighing 5.0 ounces or less per square yard . . . . .	1,212	66,754	1,104	46,276
2221D 75	Weighing more than 5.0 ounces per square yard . . . . .	253	12,831	227	9,523
	Chiefly spun acrylic . . . . .	143	7,257	<sup>1</sup> 176	<sup>1</sup> 8,064
2221D 81	Blanketing . . . . .	(D)	(D)	(D)	(D)
2221D 83	All other fabric . . . . .	(D)	(D)	(D)	(D)
2221D 84	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
2221D 85	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)

See footnotes at end of table.



**Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS—Continued**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	First quarter 1992		Fourth quarter 1991	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
2211B 67	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2221G 45	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	Blue denim . . . . .	3,315	191,114	3,283	181,347
	More than 50 percent cotton . . . . .	3,225	185,424	3,160	174,529
2211C 01	Weighing 10.7 ounces or less per square yard . . . . .	410	21,644	369	17,924
2211C 03	Weighing more than 10.7 ounces per square yard . . . . .	2,815	163,780	2,791	156,805
2221E 03	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211G 05	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 46	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	All other denim . . . . .	829	43,728	<sup>1</sup> 916	<sup>1</sup> 46,935
	More than 50 percent cotton . . . . .	805	42,488	<sup>1</sup> 855	<sup>1</sup> 44,853
2211C 11	Weighing 10.7 ounces or less per square yard . . . . .	66	4,833	<sup>1</sup> 76	<sup>1</sup> 4,576
2211C 13	Weighing more than 10.7 ounces per square yard . . . . .	739	37,655	<sup>1</sup> 779	<sup>1</sup> 40,277
2221E 13	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211C 15	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221C 18	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211C 21	Canton flannels . . . . .	425	6,360	428	5,938
	All other twill weaves . . . . .	6,900	241,628	<sup>1</sup> 7,004	241,042
	More than 50 percent cotton . . . . .	2,709	114,861	<sup>1</sup> 2,955	118,149
2211C 31	Weighing 5.9 ounces or less per square yards . . . . .	1,011	31,537	<sup>1</sup> 1,033	35,067
2211C 33	Weighing more than 5.9 ounces per square yard . . . . .	1,698	83,324	<sup>1</sup> 1,922	<sup>1</sup> 83,082
2221E 21	85 percent or more spun polyester . . . . .	126	8,121	95	5,271
	Chiefly spun polyester mixed with cotton . . . . .	2,150	74,782	<sup>1</sup> 2,160	<sup>1</sup> 77,028
2221E 23	Weighing 5.0 ounces or less per square yard . . . . .	677	16,836	721	14,065
2221E 25	Weighing more than 5.0 ounces per square yard . . . . .	1,473	57,946	<sup>1</sup> 1,439	<sup>1</sup> 62,963
2221E 26	Chiefly spun rayon end/or acetate . . . . .	(D)	(D)	(D)	(D)
2221E 27	All other fabrics, 85 percent or more spun yarn . . . . .	703	18,191	<sup>1</sup> 720	<sup>1</sup> 15,482
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211C 35	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221C 39	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	Sateens . . . . .	823	24,176	<sup>1</sup> 1,144	<sup>1</sup> 29,395
2211D 05	More than 50 percent cotton . . . . .	178	9,100	<sup>1</sup> 207	9,983
2221F 05	Chiefly spun polyester mixed with cotton . . . . .	196	5,447	219	6,004
2221F 06	Chiefly spun rayon end/or acetate . . . . .	(D)	(D)	(D)	(D)
2221F 07	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations . . . . .	311	7,732	<sup>1</sup> 613	<sup>1</sup> 11,071
2211D 07	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 05	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	Oxfords . . . . .	1,100	51,397	1,113	51,973
2211D 11	More than 50 percent cotton . . . . .	587	27,630	714	39,576
2221F 11	Chiefly spun polyester mixed with cotton . . . . .	118	6,708	<sup>1</sup> 180	<sup>1</sup> 6,904
2221F 17	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211D 13	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 68	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211D 31	Birdseye diaper cloth . . . . .	(D)	(D)	(D)	(D)
2211D 35	Huck and crash toweling . . . . .	(D)	(D)	(D)	(D)
	Table damask . . . . .	343	14,637	302	12,293
2211D 45	More than 50 percent cotton . . . . .	(D)	(D)	(D)	(D)
2221F 32	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
2221F 37	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
2221G 82	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211D 07	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 82	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	Jacquard and dobby shirting fabrics . . . . .	408	11,811	508	9,009
2211D 51	More than 50 percent cotton . . . . .	68	4,364	62	2,227
2221F 41	Chiefly spun polyester mixed with cotton . . . . .	122	3,204	284	3,386
2221F 43	All other fabric, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211D 53	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 84	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	All other weaves . . . . .	5,426	144,910	<sup>1</sup> 5,428	<sup>1</sup> 132,278
	More than 50 percent cotton . . . . .	1,555	39,663	1,550	36,458
2211D 82	Weighing 5.9 ounces or less per square yard . . . . .	368	13,920	368	14,353
2211D 64	Weighing more than 5.9 ounces per square yard . . . . .	1,187	25,743	1,182	22,105
2221F 52	85 percent or more spun polyester . . . . .	239	5,563	330	6,582
	Chiefly spun polyester mixed with cotton . . . . .	616	8,779	607	8,006
2221F 54	Weighing 5.0 ounces or less per square yard . . . . .	171	4,757	156	3,787
2221F 56	Weighing more than 5.0 ounces per square yard . . . . .	445	4,022	451	4,219
2221F 58	All other fabrics, 85 percent or more spun yarn . . . . .	949	21,339	<sup>1</sup> 966	<sup>1</sup> 16,521
	Spun/filament combinations . . . . .	2,067	69,566	<sup>1</sup> 1,975	<sup>1</sup> 64,711
2211D 66	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 87	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)

- Represents zero.

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Revised by 5 percent or more from previously published figures.



**Table 5. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE FILAMENT YARN FABRICS**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	First quarter 1992		Fourth quarter 1991	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	85 percent or more filament yarn fabrics .....	23,254	1,372,334	23,133	1,461,611
	High tenacity yarn fabrics .....	1,116	30,877	<sup>1</sup> 1,122	<sup>1</sup> 35,216
2221B 02	100 percent and chiefly rayon .....	498	4,767	(D)	(D)
2221C 02	100 percent and chiefly nylon .....	322	13,303	(D)	(D)
2221C 04	100 percent and chiefly polyester .....	296	12,807	<sup>1</sup> 279	<sup>1</sup> 15,122
2221C 07	85 percent more filament yarn fabric obtained from strip or the like except rayon and/or acetate .....	(D)	(D)	(D)	(D)
	85 percent or more filament rayon, acetate and/or triacetate filament yarn fabrics .....	4,919	150,481	4,884	141,357
	Weighing not more than 5 ounces per square yard ...	4,454	136,881	<sup>1</sup> 4,401	128,444
2221B 11	Plain weave .....	3,075	93,452	2,947	87,996
2221B 13	Other weaves .....	1,379	43,429	<sup>1</sup> 1,454	<sup>1</sup> 40,448
	Weighing more than 5 ounces per square yard .....	465	13,600	<sup>1</sup> 483	<sup>1</sup> 12,913
2221B 15	Plain weave .....	(D)	(D)	(D)	(D)
2221B 17	Other weaves .....	(D)	(D)	(D)	(D)
	Other chiefly rayon and/or acetate filament yarn fabrics ..	1,746	37,909	<sup>1</sup> 1,586	<sup>1</sup> 31,167
2221B 32	Weighing not more than 5 ounces per square yard ...	1,165	28,946	<sup>1</sup> 1,123	<sup>1</sup> 25,141
2221B 35	Weighing more than 5 ounces per square yard .....	581	8,963	<sup>1</sup> 463	<sup>1</sup> 6,026
	85 percent or more nylon filament yarn fabrics .....	3,499	125,631	3,582	123,738
2221C 11	Typewriter and other impression fabrics .....	835	28,719	794	26,018
	Other 85 percent or more nylon filament yarn fabrics ..	2,664	96,912	2,788	97,720
	Weighing not more than 5 ounces per square yard ..	2,412	83,089	2,511	83,646
2221C 14	Flat, non-textured .....	2,111	70,234	2,318	76,574
2221C 16	All other .....	301	12,855	193	7,072
	Weighing more than 5 ounces per square yard ....	252	13,823	277	14,074
2221C 22	Flat, non-textured .....	166	5,328	160	2,164
2221C 24	All other .....	86	8,495	117	11,910
	Other chiefly nylon filament fabrics .....	(D)	(D)	(D)	(D)
2221C 32	Weighing not more than 5 ounces per square yard ...	(D)	(D)	(D)	(D)
2221C 34	Weighing more than 5 ounces per square yard .....	(D)	(D)	(D)	(D)
	85 percent or more polyester filament yarn fabrics .....	5,772	170,439	5,818	170,926
2221C 42	Textured .....	4,213	121,797	4,203	123,713
	Weighing not more than 5 ounces per square yard <sup>1</sup> .....	2,356	64,298	2,244	64,011
2221C 44	Flat .....	(D)	(D)	(D)	(D)
2221C 45	Other .....	(D)	(D)	(D)	(D)
	Weighing more than 5 ounces per square yard <sup>1</sup> ....	1,857	57,499	1,959	59,702
2221C 50	Non-textured .....	1,559	48,642	1,615	47,213
	Weighing not more than 5 ounces per square yard <sup>1</sup> ..	941	27,944	962	27,255
2221C 55	Weighing more than 5 ounces per square yard <sup>1</sup> ....	618	20,698	653	19,958
2221C 62	Other chiefly polyester filament fabrics .....	234	3,225	230	3,333
	Glass fiber fabrics .....	2,394	91,774	2,325	78,248
2221C 72	Woven roving and screening .....	102	11,768	86	9,121
2221C 74	All other glass fiber fabrics .....	2,292	80,006	2,239	69,127
	All other 85 percent or more filament yarn fabrics, including saran and olefin .....	3,308	759,357	<sup>1</sup> 3,314	875,230
2221C 80	Carpet backing .....	2,768	695,389	2,789	818,485
2221C 83	Woven synthetic (including olefin) .....	(D)	(D)	(D)	(D)
2221C 84	Jute and other backing .....	(D)	(D)	(D)	(D)
	All other .....	540	63,968	<sup>1</sup> 525	<sup>1</sup> 56,745

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Revised by 5 percent or more from previously published figures.<sup>1</sup>Classified on a finished weight basis.



Table 6. PRODUCTION AND LOOM ASSIGNMENT OF PILE FABRICS (INCLUDES YARN DYED FABRIC)

(Looms operating in number; production in thousands of square yards)

Product code	Product description	First quarter 1992		Fourth quarter 1991	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Pile fabrics .....	5,737	132,741	5,393	122,450
	Corduroy .....	830	15,244	637	6,269
	More than 50 percent cotton .....	830	15,244	(D)	(D)
2211E 01	Finewales and pinwales .....	486	7,121	365	2,972
2211E 03	Midwales .....	(D)	(D)	(D)	(D)
2211E 06	Widewales and other .....	(D)	(D)	172	1,718
2221H 01	Chiefly manmade fiber .....	-	-	(D)	(D)
	Velvets, plushes, and other pile fabrics .....	783	12,942	764	13,668
2211E 21	More than 50 percent cotton .....	(D)	(D)	(D)	(D)
2221H 11	Chiefly manmade fiber .....	(D)	(D)	(D)	(D)
	Terry cloth and terry toweling .....	4,124	104,555	3,992	102,513
2211E 32	Terry toweling .....	3,965	101,170	3,860	99,791
2211E 34	Terry cloth .....	159	3,385	132	2,722

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies.

Table 7. PRODUCTION AND LOOM ASSIGNMENT OF WOOLEN AND WORSTED FABRICS, INCLUDING CHIEFLY MANMADE/WOOL BLENDS AND CHIEFLY COTTON/WOOL BLENDS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	First quarter 1992		Fourth quarter 1991	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Woolen and worsted fabrics, 36 percent or more wool (except felts) <sup>1</sup> .....	1,936	46,237	1,906	41,455
	Apparel fabrics, including government orders .....	1,809	44,506	1,780	39,400
	Worsted fabrics .....	1,102	28,359	1,098	24,086
22312 01	Weighing not more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
22312 02	Weighing more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
	Woolen fabrics .....	707	16,147	7682	15,314
22312 21	Weighing not more than 9 ounces per square yard .....	(D)	(D)	(D)	(D)
22312 23	Weighing more than 9 ounces per square yard .....	(D)	(D)	(D)	(D)
	Nonapparel fabrics, including government orders (except felts) ..	127	1,731	126	2,055
22312 62	Blanketing, including thermal .....	(D)	(D)	(D)	(D)
22312 61	Upholstery fabric .....	(D)	(D)	(D)	(D)
22312 85	All other fabrics .....	82	900	782	874
22312 92	Woven felts (thousands of pounds) .....	145	1,396	149	1,528
	Chiefly manmade/wool blend and chiefly cotton/wool blend fabrics .....	(D)	(D)	(D)	(D)
	Chiefly spun polyester mixed mainly or solely with wool .....	(D)	(D)	(D)	(D)
2221H 21	Woolen .....	(D)	(D)	(D)	(D)
	Worsted .....	(D)	(D)	(D)	(D)
2221H 25	Weighing not more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
2221H 27	Weighing more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
2221H 32	All other chiefly spun fibers mixed mainly or solely with wool ..	(D)	(D)	(D)	(D)
	Chiefly filament polyester mixed mainly or solely with wool or spun polyester/wool blends (less than 36 percent wool) .....	(D)	(D)	(D)	(D)
2221H 51	Woolen .....	(D)	(D)	(D)	(D)
	Worsted .....	(D)	(D)	(D)	(D)
2221H 53	Weighing not more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
2221H 55	Weighing more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
2221H 63	All other chiefly filament yarn mixed mainly or solely with wool ..	(D)	(D)	(D)	(D)

(D) Data withheld to avoid disclosing figures for individual companies. <sup>1</sup>Revised by 5 percent or more from previously published figures.<sup>1</sup>Includes fabrics 36 percent or more wool or reprocessed wool by weight. 1986 and prior years include fabrics 50 percent or more wool or reprocessed wool by weight.



**Table 8. PRODUCTION AND LOOM ASSIGNMENT OF UPHOLSTERY FABRICS**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	First quarter 1992		Fourth quarter 1991	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Upholstery fabrics.....	3,660	89,509	3,790	91,425
	85 percent or more spun yarn and spun filament combinations ..	2,994	70,850	3,088	72,136
	Pile woven .....	712	13,787	686	14,604
2211E 41	All cotton and chiefly cotton .....	26	198	32	209
2221H 41	All manmade and chiefly manmade .....	686	13,589	654	14,395
	Flat woven .....	2,282	57,063	2,402	57,532
2211X 01	All cotton and chiefly cotton .....	733	19,430	797	22,709
	All manmade and chiefly manmade .....	1,549	37,633	1,605	34,823
2221X 01	Olefin .....	342	6,887	340	7,878
2221X 03	All other flat woven manmade fiber fabrics .....	1,207	30,746	1,265	26,945
	85 percent or more filament yarn .....	666	18,659	702	19,289
2221X 01	All polyester and chiefly polyester .....	290	6,579	280	6,373
2221X 03	All nylon and chiefly nylon .....	(D)	(D)	(D)	(D)
2221X 05	All olefin and chiefly olefin .....	307	11,271	301	10,830
2221X 07	All other filament fiber fabrics .....	(D)	(D)	(D)	(D)

(D) Data withheld to avoid disclosing figures for individual companies.

\*Revised by 5 percent or more from previously published figures.

**Table 9. PRODUCTION OF TIRE CORD AND TIRE CORD FABRICS**

(Thousands of pounds)

Product code	Product description	Production during quarter	
		First quarter 1992	Fourth quarter 1991
22960 00	Tire cord and tire cord fabrics .....	198,026	186,215
22960 12	Cotton tire cord and tire cord fabrics .....	-	-
22960 32	Rayon tire cord and tire cord fabrics .....	648	933
22960 35	Nylon tire cord and tire cord fabrics .....	39,393	35,208
22960 37	Polyester tire cord and tire cord fabrics .....	49,512	42,214
22960 38	Glass tire cord and tire cord fabrics .....	230	213
22960 45	Steel tire cord .....	104,440	104,464
22960 49	All other tire cord and tire cord fabrics including chafer .....	3,803	3,185

- Represents zero.

**Table 10. LOOMS IN PLACE AND LOOM HOURS OPERATED IN BROADWOVEN FABRIC MILLS**

Product description	First quarter 1992		Fourth quarter 1991	
	Looms in place (number)	Thousands of loom hours operated	Looms in place (number)	Thousands of loom hours operated
Total .....	97,424	176,999	98,096	167,767
Shuttle type looms .....	32,636	56,803	33,698	53,395
Single shuttle cam looms .....	22,604	39,121	23,347	37,134
Single shuttle dobby looms .....	6,021	11,725	6,154	10,676
Multiple shuttle box or head motion looms .....	2,491	3,688	2,541	3,374
Double shuttle pile and plush, and jacquard looms .....	1,520	2,269	1,656	2,211
Shuttleless looms and weaving machines .....	64,788	120,196	64,398	114,372
Single filling insertion capability .....	38,969	76,044	38,288	72,384
Air jet looms .....	15,495	31,209	15,226	29,019
Water jet looms .....	5,975	11,380	5,910	11,127
Projectile looms .....	12,260	24,036	12,282	23,770
Rapier looms .....	5,239	9,419	4,870	8,468
Multiple filling insertion capability .....	25,140	43,044	25,447	41,003
Air jet looms .....	(D)	(D)	(D)	(D)
Water jet looms .....	(D)	(D)	(D)	(D)
Projectile looms .....	10,475	18,937	10,455	17,514
Rapier looms .....	11,654	18,223	12,005	17,423
Pile and plush looms .....	679	1,108	663	985

(D) Data withheld to avoid disclosing figures for individual companies.

\*Revised by 5 percent or more from previously published figures.



**Table 11. PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF BROADWOVEN FABRICS: FIRST QUARTER 1992**

(Quantity in thousands of square yards; value in thousands of dollars)

Product description	Manufacturers' shipments <sup>1</sup> (quantity)	Imports for consumption <sup>2</sup>		Percent imports to manufacturers' shipments (quantity)	Exports of domestic merchandise <sup>4</sup>		Percent exports to manufacturers' shipments (quantity)	Apparent consumption <sup>5</sup>
		Quantity	Value <sup>3</sup>		Quantity	Value		
Cotton fabrics <sup>6</sup> . . . . .	957,797	467,833	393,742	48.8	(NA)	(NA)	(NA)	(NA)
Cheesecloth and batistes . . . . .	(D)	11,987	7,038	(D)	7,954	12,383	(D)	(D)
Print cloth . . . . .	91,323	99,719	54,116	109.2	1,635	2,400	1.8	189,407
Poplin and broadcloth . . . . .	10,562	79,627	54,365	753.9	5,555	9,612	52.6	84,634
Weighing 5.9 ounces or less per square yard . . . . .	8,997	78,550	51,555	873.0	2,663	5,764	29.6	84,884
Weighing more than 5.9 ounces per square yard . . . . .	1,564	1,077	2,810	68.8	2,892	3,848	184.9	-251
Duck, including tape warp . . . . .	(D)	31,951	23,521	(D)	4,119	7,982	(D)	(D)
Sheeting . . . . .	132,054	106,334	68,957	80.5	4,666	8,365	3.5	233,722
Twills and sateens . . . . .	116,186	68,248	69,276	58.7	4,923	8,184	4.2	179,511
Oxfords . . . . .	8,222	2,215	4,872	26.9	(NA)	(NA)	(NA)	(NA)
All other constructions . . . . .	46,506	15,251	18,063	32.8	(NA)	(NA)	(NA)	(NA)
Blue Denim . . . . .	(D)	21,462	31,547	13.6	18,916	37,425	12.0	160,783
Yarn dyed fabric . . . . .	68,736	28,755	55,245	41.8	9,486	13,508	13.8	88,005
Pile fabrics, including yarn dyed . . . . .	100,767	2,284	6,742	2.3	1,513	3,937	1.5	101,538
Manmade fiber fabrics . . . . .	2,306,157	246,818	381,191	10.7	83,365	163,178	3.6	2,469,610
85% or more filament yarn fabrics . . . . .	1,146,943	99,258	144,472	8.7	43,601	82,043	3.8	1,202,600
Nylon and polyester high tenacity fabric . . . . .	21,831	3,524	7,913	16.1	8,554	14,842	39.2	16,801
Rayon high tenacity fabric . . . . .	3,986	188	470	4.7	1,233	2,187	30.9	2,941
Typewriter fabric . . . . .	24,013	50	53	0.2	(NA)	(NA)	(NA)	(NA)
Rayon or acetate filament yarn fabrics . . . . .	157,517	5,703	8,971	3.6	2,810	5,705	1.8	160,410
Polyester filament yarn fabric . . . . .	145,204	67,881	103,543	46.7	16,169	23,245	11.1	196,916
Glass fiber fabric . . . . .	76,734	7,870	8,436	10.3	(NA)	(NA)	(NA)	(NA)
Nylon filament yarn fabric . . . . .	82,745	12,892	13,102	15.6	4,655	13,164	5.6	90,982
All other filament yarn fabric . . . . .	7,593,571	1,150	1,984	-	10,180	22,900	0.1	584,541
85 percent or more spun yarn fabric . . . . .	883,209	98,930	91,031	11.2	24,194	44,262	2.7	957,945
Cheesecloth and batistes . . . . .	40,856	3,847	2,692	9.4				
Poplin broadcloth . . . . .	122,327	31,293	21,224	25.6				
Polyester/cotton . . . . .	99,728	29,023	18,394	29.1				
Weighing 5.0 ounces or less per square yard . . . . .	92,811	28,589	17,835	30.8				
Weighing more than 5.0 ounces per square yard . . . . .	6,917	434	559	6.3				
All other spun yarns . . . . .	22,599	2,270	2,830	10.0				
Print cloth . . . . .	147,504	24,706	10,431	16.7				
Polyester/cotton . . . . .	128,459	17,049	7,022	13.3				
All other spun yarns . . . . .	19,045	7,657	3,409	40.2				
Duck . . . . .	4,515	317	746	7.0				
Sheeting . . . . .	385,135	6,497	5,300	1.7				
Polyester/cotton . . . . .	342,857	5,102	2,877	1.5				
Weighing 5.0 ounces or less per square yard . . . . .	332,187	5,102	2,877	47.8				
Weighing more than 5.0 ounces per square yard . . . . .	10,670							
All other spun yarn . . . . .	42,278	1,395	2,423	3.3				
Sateens or twills . . . . .	97,714	19,188	15,868	19.6				
Oxford . . . . .	8,835	(NA)	(NA)	-				
All other spun manmade fiber fabrics . . . . .	29,528	2,113	5,321	7.2				
Yarn dyed fabric . . . . .	36,574	9,700	23,112	26.5				
Pile fabrics . . . . .	10,221	1,269	6,337	12.4	1,300	6,038	12.7	10,190
Spun/filament yarn combinations, including yarn dyed . . . . .	260,296	34,687	51,445	13.3	15,010	33,219	5.8	279,973
Chiefly manmade/wool blends . . . . .	15,520	6,398	18,529	41.2	(NA)	(NA)	(NA)	(NA)
Silk fabrics . . . . .	189	7,545	75,714	3,992.8	560	3,654	296.4	7,174
Wool fabrics . . . . .	38,660	9,201	78,278	23.8	1,318	6,609	3.4	46,543
Chiefly cotton fabrics blended with wool and other vegetable fibers and other vegetable fiber fabrics . . . . .	44	7	85	15.8	(NA)	(NA)	-	(NA)

Note: Fabric blends as shown in Current Industrial Reports Series MQ22T are reported based on the chief weight of the fiber; whereas, fabric blends as shown for imports and exports are based on the chief value of the fiber.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. (NA) Not available.

<sup>1</sup>Represents production of gray broadwoven fabrics; import and export data represent gray as well as finished broadwoven fabrics. For a comparison of Standard Industrial Classification (SIC) based product codes with Schedule B export numbers and HTSUSA import numbers, see table 12. <sup>2</sup>Source: Bureau of the Census Report IM 145, *U.S. Imports for Consumption*. <sup>3</sup>This dollar value represents the c.i.f. (cost, insurance, and freight) at the first port of entry in the United States plus calculated import duty. <sup>4</sup>Source: Bureau of the Census Report EM 545, *U.S. Exports*. <sup>5</sup>Apparent consumption represents new domestic supply and is derived by subtracting exports from the total manufacturers' shipments plus imports. <sup>6</sup>Includes all cotton and chiefly cotton mixed with manmade fiber.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2211B 02, 2211B 41	Cotton cheesecloth and batistes	5208.11.2090, 5208.11.4090, 5208.11.6000, 5208.11.8090, 5208.12.4090, 5208.12.6090, 5208.12.8090, 5208.21.2090, 5208.21.4090, 5208.21.6090, 5208.22.4090, 5208.22.6090, 5208.22.8090, 5208.31.4090, 5208.31.6090, 5208.31.8090, 5208.32.3090, 5208.32.4090, 5208.32.5090, 5208.51.4090, 5208.51.6090, 5208.51.8090, 5208.52.3090, 5208.52.4090, 5208.52.5090, 5210.11.4090, 5210.11.6090, 5210.11.8090, 5210.21.4090, 5210.21.6090, 5210.21.8090, 5210.31.4090, 5210.31.6090, 5210.31.8090, 5210.51.4090, 5210.51.6090, 5210.51.8090, 5211.51.0090	5208.11.2090, 5208.11.4090, 5208.11.9000, 5208.12.4090, 5208.12.6090, 5208.12.8090, 5208.21.2090, 5208.21.4090, 5208.21.6090, 5208.22.4090, 5208.22.6090, 5208.22.8090, 5208.31.4090, 5208.31.6090, 5208.31.8090, 5208.32.3090, 5208.32.4090, 5208.32.5090, 5208.51.4090, 5208.51.6090, 5208.51.8090, 5208.52.3090, 5208.52.4090, 5208.52.5090, 5210.11.4090, 5210.11.6090, 5210.11.8090, 5210.21.4090, 5210.21.6090, 5210.21.8090, 5210.31.4090, 5210.31.6090, 5210.31.8090, 5210.51.4090, 5210.51.6090, 5210.51.8090, 5211.11.0090, 5211.21.0090, 5211.31.0090, 5211.41.0090, 5211.51.0090
2211B 12	Cotton print cloth	5208.11.4060, 5208.12.6060, 5208.21.4060, 5208.22.6060, 5208.31.6060, 5208.32.4060, 5208.51.6060, 5208.52.4060, 5210.11.6060, 5210.21.6060, 5210.31.6060, 5210.51.6060	5208.11.4060, 5208.12.6060, 5208.21.4060, 5208.22.6060, 5208.31.6060, 5208.32.4060, 5208.51.6060, 5208.52.4060, 5210.11.6060, 5210.21.6060, 5210.31.6060, 5210.51.6060



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2211B 21 2211B 25	Cotton poplin and broadcloth (5.9 ounces or less per square yard)	5208.11.2020, 5208.11.4020, 5208.11.8020, 5208.12.4020, 5208.12.6020, 5208.12.8020, 5208.21.2020, 5208.21.4020, 5208.21.6020, 5208.22.4020, 5208.22.6020, 5208.22.8020, 5208.31.4020, 5208.31.6020, 5208.31.8020, 5208.32.3020, 5208.32.4020, 5208.32.5020, 5208.51.4020, 5208.51.6020, 5208.51.8020, 5208.52.3020, 5208.52.4020, 5208.52.5020, 5210.11.4020, 5210.11.6020, 5210.11.8020, 5210.21.4020, 5210.21.6020, 5208.21.8020, 5210.31.4020, 5210.31.6020, 5210.31.8020, 5210.51.4020, 5210.51.6020, 5210.51.8020	5208.11.2020, 5208.11.4020, 5208.11.8020, 5208.12.4020, 5208.12.6020, 5208.12.8020, 5208.21.2020, 5208.21.4020, 5208.21.6020, 5208.22.4020, 5208.22.6020, 5208.22.8020, 5208.31.4020, 5208.31.6020, 5208.31.8020, 5208.32.3020, 5208.32.4020, 5208.32.5020, 5208.51.4020, 5208.51.6020, 5208.51.8020, 5208.52.3020, 5208.52.4020, 5208.52.5020, 5210.11.4020, 5210.11.6020, 5210.11.8020, 5210.21.4020, 5210.21.6020, 5208.21.8020, 5210.31.4020, 5210.31.6020, 5210.31.8020, 5210.51.4020, 5210.51.6020, 5210.51.8020
2211B 30	Cotton poplin and broadcloth (more than 5.9 ounces per square yard)	5209.11.0020, 5209.21.0020, 5209.31.6020, 5209.51.6020, 5211.11.0020, 5211.21.0020, 5211.31.0020, 5211.51.0020	5209.11.0020, 5209.21.0020, 5209.31.6020, 5209.51.6020, 5211.11.0020, 5211.21.0020, 5211.31.0020, 5211.51.0020
2211B 71	Duck	5209.11.0090, 5209.19.0060, 5209.21.0090, 5209.29.0060, 5209.31.6090, 5209.39.0060, 5209.51.6090, 5209.59.0060, 5211.11.0090, 5211.19.0060, 5211.21.0090, 5211.29.0060, 5211.31.0090, 5211.39.0060, 5211.51.0090, 5211.59.0060	5209.11.0090, 5209.21.0090, 5209.31.6090, 5209.51.6090, 5211.11.0090, 5211.21.0090, 5211.31.0090, 5211.51.0090

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2211B 45, 2211B 61, 2211B 63, 2211B 65	Sheeting	5208.11.2040, 5208.11.4040, 5208.12.4040, 5208.12.6040, 5208.21.2040, 5208.21.4040, 5208.22.4040, 5208.22.6040, 5208.31.4040, 5208.31.6040, 5208.32.3040, 5208.32.4040, 5208.51.4040, 5208.51.6040, 5208.52.3040, 5208.52.4040, 5209.11.0030, 5209.11.0050, 5209.21.0030, 5209.21.0050, 5209.31.6030, 5209.31.6050, 5209.51.6030, 5209.51.6050, 5210.11.4040, 5210.11.6040, 5210.21.4040, 5210.21.6040, 5210.31.4040, 5210.31.6040, 5210.51.4040, 5210.51.6040, 5211.11.0030, 5211.11.0050, 5211.21.0030, 5211.21.0050, 5211.31.0030, 5211.31.0050, 5211.51.0030, 5211.51.0050	5208.11.2040, 5208.11.4040, 5208.12.4040, 5208.12.6040, 5208.21.2040, 5208.21.4040, 5208.22.4040, 5208.22.6040, 5208.31.4040, 5208.31.6040, 5208.32.3040, 5208.32.4040, 5208.51.4040, 5208.51.6040, 5208.52.3040, 5208.52.4040, 5209.11.0040, 5209.21.0040, 5209.31.6040, 5209.51.6040, 5210.11.4040, 5210.11.6040, 5210.21.4040, 5210.21.6040, 5210.31.4040, 5210.31.6040, 5210.51.4040, 5210.51.6040, 5211.11.0040, 5211.21.0040, 5211.31.0040, 5211.51.0040

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2211C 11, 2211C 13, 2211C 31, 2211C 33, 2211D 05	Twills and sateens	5208.13.0000, 5208.19.2020, 5208.19.2090, 5208.23.0000, 5208.29.2020, 5208.29.2090, 5208.33.0000, 5208.39.2020, 5208.39.2090, 5208.53.0000, 5208.59.2020, 5208.59.2090, 5209.12.0020, 5209.12.0040, 5209.19.0020, 5209.19.0040, 5209.22.0020, 5209.22.0040, 5209.29.0020, 5209.29.0040, 5209.32.0020, 5209.32.0040, 5209.39.0020, 5209.39.0040, 5209.52.0020, 5209.52.0040, 5209.59.0020, 5209.59.0040, 5210.12.0000, 5210.19.2020, 5210.19.2090, 5210.22.0000, 5210.29.2020, 5210.29.2090, 5210.32.0000, 5210.39.2020, 5210.39.2090, 5210.52.0000, 5210.59.2020, 5210.59.2090, 5211.12.0020, 5211.12.0040, 5211.19.0020, 5211.19.0040, 5211.22.0020, 5211.22.0040, 5211.29.0020, 5211.29.0040, 5211.32.0020, 5211.32.0040, 5211.39.0020, 5211.39.0040, 5211.52.0020, 5211.52.0040, 5211.59.0020, 5211.59.0040	5208.13.0000, 5208.19.2000, 5208.23.0000, 5208.29.2000, 5208.33.0000, 5208.39.2000, 5208.53.0000, 5208.59.2000, 5209.12.0000, 5209.19.0030, 5209.22.0000, 5209.29.0030, 5209.32.0000, 5209.39.0030, 5209.52.0000, 5209.59.0030, 5210.12.0000, 5210.19.2000, 5210.22.0000, 5210.29.2000, 5210.32.0000, 5210.39.2000, 5210.52.0000, 5210.59.2000, 5211.12.0000, 5211.19.0030, 5211.22.0000, 5211.29.0030, 5211.32.0000, 5211.39.0030, 5211.52.0000, 5211.59.0030
2211C 01, 2211C 03	Blue denim	5209.42.0020, 5211.42.0020, 5209.42.0040, 5211.42.0040	5209.42.0020, 5211.42.0020, 5209.42.0020, 5211.42.0040

See footnotes at end of table.



**Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued**

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2211E 00	Pile fabrics (including yarn dyed)	5801.21.0000- 5801.26.0020, 5802.11.0000,	5801.21.0000- 5801.26.0000, 5802.11.0000- 5802.30.9000
2211X XX	Cotton yarn dyed	5208.41.4000- 5208.41.8000, 5208.42.3000- 5208.42.5000, 5208.43.0000- 5208.49.8090, 5209.41.6020, 5209.41.6040, 5209.43.0020- 5209.49.0090, 5210.41.4000- 5210.49.8090, 5211.41.0020, 5211.41.0040, 5211.43.0020- 5211.49.0090	5208.41.9000, 5208.42.9000, 5208.43.0000, 5208.49.2000, 5208.49.9000, 5209.41.6070, 5209.43.0000, 5209.49.0000, 5210.41.0000- 5210.49.9000, 5211.41.0000, 5211.43.0000, 5211.49.0000
2211D 11	Oxfords	5208.19.4020, 5208.19.6020, 5208.19.8020, 5208.29.4020, 5208.29.6020, 5208.29.8020, 5208.39.4020, 5208.39.6020, 5208.39.8020, 5208.59.4020, 5208.59.6020, 5208.59.8020, 5210.19.4020, 5210.19.6020, 5210.19.8020, 5210.29.4020, 5210.29.6020, 5210.29.8020, 5210.39.4020, 5210.39.6020, 5210.39.8020, 5210.59.4020, 5210.59.6020, 5210.59.8020	5208.19.9000, 5208.29.9000, 5208.39.9000, 5208.59.9000, 5209.19.0070, 5209.29.0070, 5209.39.0070, 5209.59.0070, 5210.19.9000, 5210.29.9000, 5210.39.9000, 5210.59.9000, 5211.19.0070, 5211.29.0070, 5211.39.0070, 5211.59.0070

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2211D 31, 2211D 35, 2211D 45, 2211D 51, 2211D 62, 2211D 64	All other constructions	5208.19.4090, 5208.19.6090, 5208.19.8090, 5208.29.4090, 5208.29.6090, 5208.29.8090, 5208.39.4090, 5208.39.6090, 5208.39.8090, 5208.59.4090, 5208.59.6090, 5208.59.8090, 5209.19.0090, 5209.29.0090, 5209.39.0080, 5209.39.0090, 5209.59.0090, 5210.19.4090, 5210.19.6090, 5210.19.8090, 5210.29.4090, 5210.29.6090, 5210.29.8090, 5210.39.4090, 5210.39.6090, 5210.39.8090, 5210.59.4090, 5210.59.6090, 5210.59.8090, 5211.19.0090, 5211.29.0090, 5211.39.0090, 5211.59.0090	5208.19.9000, 5208.29.9000, 5208.39.9000, 5208.59.9000, 5209.19.0070, 5209.29.0070, 5209.39.0070, 5209.59.0070, 5210.19.9000, 5210.29.9000, 5210.39.9000, 5210.59.9000, 5211.19.0070, 5211.29.0070, 5211.39.0070, 5211.59.0070
2221C 02, 2221C 04	Nylon and polyester high tenacity fabrics	5407.10.0010, 5407.10.0090	5407.10.0000
2221B 02	Rayon high tenacity fabrics	5408.10.0000	5408.10.0000
2221C 11	Typewriter fabrics	5407.41.0010, 5407.41.0020	
2221C 14, 2221C 16, 2221C 22, 2221C 24, 2221C 32, 2221C 34	Other nylon filament fabrics	5407.41.0030- 5407.44.0060	5407.41.0000- 5407.44.0000
2221B 11, 2221B 13, 2221B 15, 2221B 17, 2221B 32, 2221B 34	Rayon and acetate filament yarn fabrics	5408.21.0030- 5408.24.0060	5408.21.0000- 5408.24.0000

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221C 42, 2221C 44, 2221C 45, 2221C 50, 2221C 55, 2221C 62	Polyester filament yarn fabric	5407.51.0020, 5407.51.0040, 5407.51.0060, 5407.52.2020, 5407.52.2040, 5407.52.2060, 5407.53.2020, 5407.53.2040, 5407.53.2060, 5407.54.0020, 5407.54.0040, 5407.54.0060, 5407.60.2005, 5407.60.2010, 5407.60.2015, 5407.60.2025, 5407.60.2030, 5407.60.2035, 5407.60.2045, 5407.60.2050, 5407.60.2055, 5407.60.2065, 5407.60.2070, 5407.60.2075	5407.51.0000, 5407.52.0000, 5407.53.0000, 5407.54.0000
2221C 72, 2221C 74	Glass fiber fabrics	7019.20.2000, 7019.20.5000	7019.20.4000
2221C 80, 2221C 83, 2221C 84	All other filament yarn fabrics	5407.71.0030- 5407.74.0060	5407.71.0000- 5407.74.0000
2221D 03, 2221D 04, 2221D 08, 2221D 43, 2221D 44, 2221G 04, 2221D 41	Chiefly manmade fiber cheesecloth, lawns, and batistes	5512.11.0040, 5512.19.0035, 5512.21.0040, 5512.29.0030, 5512.91.0040, 5512.99.0030, 5513.11.0090, 5513.19.0040, 5513.21.0090, 5513.29.0040, 5513.41.0090, 5513.49.0040, 5515.11.0030, 5515.19.0030, 5515.29.0030, 5515.99.0030, 5516.41.0040, 5516.42.0040, 5516.44.0040, 5516.91.0040, 5516.92.0040, 5516.94.0040	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000
2221D 23, 2221D 25	Poplin and broadcloth poly/cotton (5.0 ounces or less per square yard)	5513.11.0020, 5513.41.0020,	5513.21.0020
2221D 27, 2221D 31	Poplin and broadcloth poly/cotton (over 5.0 ounces per square yard)	5514.11.0020, 5514.41.0020, 5514.21.0020	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2211D 34	Poplin and broadcloth, all other spun yarn	5512.11.0010, 5512.19.0015, 5512.21.0010, 5512.29.0015, 5512.91.0010, 5512.99.0015, 5513.19.0010, 5513.29.0010, 5513.49.0010, 5514.19.0010, 5514.29.0010, 5514.49.0010, 5515.11.0015, 5515.19.0015, 5515.29.0015, 5515.99.0015, 5516.41.0010, 5516.42.0010, 5516.44.0010, 5516.91.0010, 5516.92.0010, 5516.94.0010	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000
2221D 13	Poly/cotton print cloth	5513.11.0060, 5513.21.0060, 5513.41.0060	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000
2221D 16, 2221D 18, 2221D 15	Other spun yarn, chiefly manmade fiber print cloth	5512.11.0030, 5512.19.0030, 5512.21.0030, 5512.29.0025, 5512.91.0030, 5512.99.0025, 5513.19.0030, 5513.29.0030, 5513.49.0030, 5515.11.0025, 5515.19.0025, 5515.29.0025, 5515.99.0025, 5516.41.0030, 5516.42.0030, 5516.44.0030, 5516.91.0030, 5516.92.0030, 5516.94.0030	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221D 89, 2221D 91	Duck	5512.11.0050, 5512.19.0040, 5512.21.0050, 5512.29.0035, 5512.91.0050, 5512.99.0035, 5514.11.0090, 5514.13.0040, 5514.19.0030, 5514.21.0090, 5514.23.0040, 5514.29.0030, 5514.41.0090, 5514.43.0040, 5514.49.0030, 5515.11.0035, 5515.19.0035, 5515.29.0035, 5515.99.0035, 5516.41.0050, 5516.42.0050, 5516.44.0050, 5516.91.0050, 5516.92.0050, 5516.94.0050	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000
2221D 43, 2221D 45, 2221D 73, 2221D 75	Poly-cotton sheeting	5513.11.0040, 5513.21.0040, 5513.41.0040, 5514.11.0030, 5514.11.0050, 5514.21.0030, 5514.21.0050, 5514.41.0030, 5514.41.0050	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000
2221D 46, 2221D 63, 2221D 65, 2221D 81, 2221D 83, 2221D 84	Other manmade fiber spun yarn sheeting	5512.11.0022, 5512.11.0027, 5512.19.0022, 5512.19.0027, 5512.21.0020, 5512.29.0020, 5512.91.0020, 5512.99.0020, 5513.19.0020, 5513.29.0020, 5513.49.0020, 5514.19.0020, 5514.29.0020, 5514.49.0020, 5515.11.0020, 5515.19.0020, 5515.29.0020, 5515.99.0020, 5516.41.0022, 5516.41.0027, 5516.42.0022, 5516.42.0027, 5516.44.0022, 5516.44.0027, 5516.91.0020, 5516.92.0020, 5516.94.0020	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221E 03, 2221G 46	Manmade fiber blue denim	5512.19.0010, 5512.29.0010, 5512.99.0010, 5514.32.0010, 5514.39.0010, 5515.11.0010, 5515.19.0010, 5515.29.0010, 5515.99.0010, 5516.43.0010, 5516.93.0010	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000
2221E 21, 2221E 23, 2221E 25, 2221E 26, 2221E 28, 2221F 05, 2221F 06, 2221F 07	Twills and sateens	5512.11.0060, 5512.19.0045, 5512.21.0060, 5512.29.0040, 5512.91.0060, 5512.99.0040, 5513.12.0000, 5513.13.0020, 5513.19.0050, 5513.22.0000, 5513.23.0020, 5513.29.0050, 5513.32.0000, 5513.43.0020, 5513.42.0000, 5513.49.0050, 5514.12.0020, 5514.12.0040, 5514.13.0020, 5514.19.0040, 5514.22.0020, 5514.22.0040, 5514.23.0020, 5514.29.0040, 5514.42.0020, 5514.42.0040, 5514.43.0020, 5514.49.0040, 5515.11.0040, 5515.19.0040, 5515.29.0040, 5515.99.0040, 5516.11.0020, 5516.12.0020, 5516.14.0020, 5516.41.0060, 5516.42.0060, 5516.44.0060, 5516.91.0060, 5516.92.0060, 5516.94.0060	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221F 11, 2221F 17	Oxfords	5512.11.0070, 5512.19.0050, 5512.21.0070, 5512.29.0045, 5512.91.0070, 5512.99.0045, 5513.13.0040, 5513.19.0060, 5513.23.0040, 5513.29.0060, 5513.43.0040, 5513.49.0060, 5515.11.0045, 5515.19.0045, 5515.29.0045, 5515.99.0045, 5516.41.0070, 5516.42.0070, 5516.44.0070, 5516.91.0070, 5516.92.0070, 5516.94.0070	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000
2221X XX	Manmade fiber yarn dyed	5512.19.0005, 5512.29.0005, 5512.99.0005, 5513.31.0000- 5513.39.0090, 5514.31.0000, 5514.32.0090, 5514.33.0010, 5514.33.0090, 5514.39.0020, 5514.39.0090, 5515.11.0005, 5515.19.0005, 5515.29.0005, 5515.99.0005, 5516.13.0000, 5516.43.0020- 5516.43.0090, 5516.93.0020, 5516.93.0090	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221F 32, 2221F 37, 2221F 41, 2221F 43, 2221F 52, 2221F 54, 2221F 56, 2221F 58	All other manmade fiber spun yarn	5512.11.0090, 5512.19.0090, 5512.21.0090, 5512.29.0090, 5512.91.0090, 5512.99.0090, 5513.13.0090, 5513.19.0090, 5513.23.0090, 5513.29.0090, 5513.43.0090, 5513.49.0090, 5514.13.0090, 5514.19.0090, 5514.23.0090, 5514.29.0090, 5514.43.0090, 5514.49.0090, 5515.11.0090, 5515.19.0090, 5515.29.0090, 5515.99.0090, 5516.41.0090, 5516.42.0090, 5516.44.0090, 5516.91.0090, 5516.92.0090, 5516.94.0090	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000
2221H 21, 2221H 25, 2221H 27, 2221H 51, 2221H 53, 2221H 55, 2221H 32, 2221H 63	Manmade/wool blends, chiefly manmade	5407.91.1000, 5407.92.1000, 5407.93.1000, 5407.94.1000, 5408.31.1000, 5408.32.1000, 5408.33.1000, 5408.34.1000, 5515.13.1000, 5515.22.1000, 5515.92.1000, 5516.31.1000- 5516.34.1000	5512.11.0000 5514.49.0000 5515.11.0000 5515.19.000C 5515.29.000C 5515.99.000C 5516.41.000C 5516.94.000

See footnotes at end of table.



**Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued**

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221G 04, 2221G 07, 2221G 19, 2221G 18, 2221B 77, 2221G 33, 2221G 45, 2221G 46, 2221G 18, 2221G 39, 2221G 05, 2221G 68, 2221G 82, 2221G 84, 2221G 87	Spun/filament combinations	5407.81.0010- 5407.84.0090, 5407.91.2020- 5407.91.2090, 5407.92.2020- 5407.92.2090, 5407.93.2020- 5407.93.2090, 5407.94.2020- 5407.94.2090, 5408.31.2020- 5408.31.2090, 5408.32.9020- 5408.32.9090, 5408.33.9020- 5408.33.9090, 5408.34.9020- 5408.34.9090, 5515.12.0010- 5515.12.0090, 5515.21.0010- 5515.21.0090, 5515.91.0010- 5515.91.0090, 5516.21.0010- 5516.24.0090	5407.81.0000- 5407.94.0000, 5408.31.0000- 5408.34.0000, 5515.12.0000, 5515.21.0000, 5515.91.0000, 5516.21.0000- 5516.24.0000
2221H 01, 2221H 11	Manmade fiber pile	5801.31.0000- 5801.36.0020, 5802.20.0020, 5802.30.0030	5801.31.0000- 5801.36.0000, 5802.20.0000, 5802.30.0000
2221H 31	Silk fabrics	5007.10.3020- 5007.90.6090	5007.10.0000- 5007.90.0000

See footnotes at end of table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1991—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
22312 01, 22312 02, 22312 21, 22312 23, 22312 62, 22312 61, 22312 85, 22312 92	Wool fabrics	5111.11.6000- 5112.90.6090, 5212.11.1010, 5212.11.1020, 5212.12.1010, 5212.12.1020, 5212.13.1010, 5212.13.1020, 5212.14.1010, 5212.14.1020, 5212.15.1010, 5212.15.1020, 5212.21.1010, 5212.21.1020, 5212.22.1010, 5212.22.1020, 5212.23.1010, 5212.23.1020, 5212.24.1010, 5212.24.1020, 5212.25.1010, 5212.25.1020, 5407.91.0510, 5407.91.0520, 5407.92.0510, 5407.92.0520, 5407.93.0510, 5407.93.0520, 5407.94.0510, 5407.94.0520, 5408.31.0510, 5408.31.0520, 5408.32.0510, 5408.32.0520, 5408.33.0510, 5408.33.0520, 5408.34.0510, 5408.34.0520, 5515.13.0510, 5515.13.0520, 5515.22.0510, 5515.22.0520, 5515.92.0510, 5515.92.0520, 5516.31.0510, 5516.31.0520, 5516.32.0510, 5516.32.0520, 5516.33.0510, 5516.33.0520, 5516.34.0510, 5516.34.0520, 5801.10.0000	5111.11.0000- 5112.90.0000, 5801.14.0000

<sup>1</sup>Source: 1992 edition, *Harmonized System-Based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States*.

<sup>2</sup>Source: *Harmonized Tariff Schedule of the United States, Annotated* (1992).



## DESCRIPTION OF SURVEY

**Scope of Survey.** This survey covers all companies manufacturing broadwoven fabrics (gray) in the United States, except very small firms (generally less than 5 employees) for which 1987 Census of Manufactures data were derived from administrative records of other Government agencies.

**Survey Methodology.** The statistics in this publication were collected by mail on Bureau of the Census quarterly Form MQ22T, Broadwoven Fabrics (Gray). The survey panel includes all known manufacturers of broadwoven fabrics (gray), except those very small firms excluded from the scope of the survey. Approximately 380 establishments are included.

**Reliability of Data.** Survey error may result from several sources: (1) inability to obtain information about all cases in the survey, (2) response errors, (3) definitional difficulties, (4) differences in the interpretation of questions, (5) mistakes in recording or coding the data obtained, and (6) other errors of collection, response, coverage, and estimation for missing data. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is due to imputing data for nonrespondents, for late reporters, and for data which failed the edit. Missing figures are imputed based on quarter-to-quarter movements shown by reporting firms. Imputation generally is limited to a maximum of 10 percent for any one data cell. Figures with imputation rates greater than 10 percent are footnoted.

The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse, because the actual quarterly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is not precisely known, but is assumed to be small. The degree of uncertainty regarding the accuracy of the published data, however, increases as the percentage of imputation increases. Figures with imputation rates above 25 percent should be used with caution.

**Revisions to Previous Period Data.** Statistics for previous quarters may be revised as the result of corrected data from respondents, including the receipt of late reports for which imputations were made as described above. Figures which have been revised by more than 5 percent from previously published figures are indicated by footnotes.

## EXPLANATION OF TERMS

*Woolen and Worsted Fabrics, Chiefly Wool.* Fabrics 36 percent or more by weight of wool, reprocessed wool, or reused wool. Apparel fabrics include all fabrics that may be labeled as being made entirely of wool, reprocessed wool, and reused wool under the Wool Products Labeling Act. This includes blends of wool of sheep with, and fabrics entirely of mohair, cashmere, camel hair, alpaca, llama, and vicuna.

*Cotton Fabrics.* Fabrics wholly or chiefly by weight of cotton.

*Manmade Fiber Fabrics.* Fabrics wholly or chiefly by weight of manmade fibers.

*Blends and Mixtures.* Fabrics made from more than one fiber are classified in the same way as other fabrics, i.e., according to whether the fabric is chiefly cotton, wool, or manmade fiber. As examples, a fabric which is 55 percent cotton and 45 percent rayon is classified as cotton; a fabric which is 40 percent cotton, 30 percent rayon, and 30 percent acetate is classified as manmade.

Blends and mixture which are by weight 50 percent natural fiber and 50 percent manmade fiber are, for purposes of continuity, classified in the manmade category.

*Production.* Represents total production of broadwoven gray fabrics by all weaving mills regardless of their primary activity.

*Units of Quantity.* Production is reported in thousands of square yards except for woven felts, tire cord and tire cord fabrics, which are reported in thousands of pounds.

*Looms Operating.* Represents number of looms operating at the end of the quarter, assigned to the specific fabrics.

*Spun Yarn Fabrics.* Includes all fabrics that contain 85 percent or more spun yarns.

*Filament Yarn Fabrics.* Includes all fabrics that contain 85 percent or more filament yarns.

*Spun/Filament Combinations.* Includes fabrics that are combinations of spun and filament yarn where neither the spun or filament yarns exceed 85 percent.

*Plain Weave Fabrics.* A fabric construction in which each yarn of the weft passes alternately over and under successive yarns of the warp and each yarn of the warp passes alternately over and under successive yarns of the weft.



**Tobacco, Cheese, and Bandage Cloth.** Fabrics of plain weave, weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) consisting of 85 or less warp ends and filling picks per square inch whether or not napped.

**Print Cloth.** Fabrics of plain weave, weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) of average yarn numbers 26-40, consisting of more than 85 singles yarns per square inch, of square construction, whether or not of yarns of different colors (yarn dyed), whether or not napped.

**Poplin and Broadcloth.** Fabrics of plain weave, not of square construction, whether or not napped, but does not include the following types—fabrics weighing not more than 5.9 ounces per square yard, containing 85 or less warp ends and filling picks per square inch, or fabrics weighing more than 5.9 ounces per square yard of average yarn number 15 or lower.

**Lawns, Voiles, and Batistes.** Fabrics of plain weave weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) consisting of more than 85 warp ends and filling picks per square inch, of square construction, of average yarn number 41 or higher, whether or not napped.

**Sheeting.** Fabrics of plain weave, whether or not napped, of the following types:

Fabrics weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), of square construction, containing more than 85 warp end and filling picks per square inch, of average yarn number 40 or lower, but not including print cloth.

Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) but does not include fabrics of which the warp or filling, or both, consists of multiple (folded) or cabled yarns, of average yarn number 15 or lower or fabrics of average yarn number 16 or higher number, not of square construction.

**Twill Weave Fabrics.** Fabrics in which the warp and filling yarns are interlaced in such a manner as to produce a diagonal or bias effect on the face of the fabric.

**Blue Denim.** Fabrics of 3 or 4-thread twill, including broken twill, warp faced, the warp yarns of which are dyed blue and the weft yarns of which are unbleached, bleached, dyed grey or colored a lighter shade of blue than that of the warp yarns.

**All Other Denim.** Includes sport denims and all other denim not included above.

**Canton Flannel.** Fabric woven with a four-harness warp face twill with heavy, soft filling yarn, and a medium count warp. A long nap is raised on the back.

**Sateens.** Fabrics woven with a satin weave, whether or not napped, in which the surface of the cloth consists almost entirely of warp or filling floats; that is, in the repeat of a weave pattern, each yarn of one system passes over several yarns of the other system before interlacing.

**Oxfords.** Fabrics weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), whether or not napped, woven as plain weave except that two or more warp ends are woven as one (taped warp). Oxford cloth is not to be classified as a plain weave fabric.

**Duck.** Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), of average yarn number 15 or lower number, whether or not napped, of a plain weave where the warp or filling or both, consists of multiple (folded) or cabled yarns.

**Taped Warp Duck.** Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces (chiefly cotton fabric), of average yarn number 15 or lower number, whether or not napped, of a plain weave except that two or more warp ends are woven as one (tape warp) whether or not containing multiple (folded) or cabled yarns.

**Shirting, Jacquard or Dobby.** Fabrics weighing not more than 5 ounces per square yard (chiefly manmade fiber) or 5.9 ounces per square yard (chiefly cotton fiber) whether or not napped, woven wholly or in part with jacquard or dobby attachment.

**Table Damask.** Fabrics, whether or not napped, woven wholly or in part with jacquard or dobby attachment characterized by elaborate decorative designs, usually of floral patterns. The designs are reversible and are formed by warp-face satin weave. Table damask is generally all white, although it is sometimes made with colored stripes or in solid pastel shades.

**High Tenacity Yarn Fabric.** Fabric made from yarns having a tenacity, expressed in centinewtons per tex (cN/tex) greater than 60 cN/tex for multiple (folded) or cabled yarns of nylon or polyester; or 27 cN/tex for multiple (folded), cabled, or singles yarns of viscose rayon.



**Flat Filament Fabrics.** Fabrics containing filament yarns having less than twelve turns per inch.

## COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

The trade comparisons shown in this report should be considered only as approximations. Several problems prevent precise comparisons among imports, exports, and domestic output. These problems include the following:

- Export and import comparisons do not account for the origin of materials used to manufacture the finished product. Domestic output includes any goods that undergo substantial transformation into a finished product in the U.S., even if the goods are partially constructed abroad or are constructed of imported materials.
- There will be a lag between the time a producer makes or ships a product and the time it is actually exported. Similarly, there may be a lag between the time a product is imported and when it enters into U.S. distribution channels.
- The basic structures of these classification systems differ. The Standard Industrial Classification (SIC) system used for domestic output was developed independently of the Harmonized System (HS) used to classify imports and exports. The level of detail provided by the different systems varies substantially, reflecting their different objectives. For example, there are a number of imported commodities that have no comparable domestic output classification.
- Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of domestic output data for such commodities may contain some duplication.
- Import and export data reflect the movement of merchandise into and out of U.S. foreign trade zones, the U.S. Virgin Islands, and the U.S. customs territory of the 50 States, the District of Columbia, and Puerto Rico. Domestic output reflects activity in the 50 States and, only if specified, in Puerto Rico.
- Import and export data generally do not distinguish between new, used or rebuilt commodities.
- The valuations of the three data sets differ. Domestic output is valued at the point of production. It includes the net sales price, f.o.b. plant, after discounts and allowances, and excludes freight charge and excise taxes. Exports are valued at the point of exportation. Export value includes the net sales price or value, and

inland freight, insurance and other charges to the export point. Imports are valued at the first port of entry in the United States. They include the cost, insurance, freight, duty, and other charges to the import point.

- Detailed commodity information is not included for individual export or import shipments at or below a certain dollar limit. This dollar limit is \$2,500 for exports and \$1,250 for imports, except for import of textiles and textile products, gloves, footwear, and miscellaneous rubber and plastics products, where the limit is \$250.

## RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report summarizes quarterly figures and incorporates known revisions for both current and previous year. It also provides a single reference copy to replace the quarterly publications.

The Bureau of the Census also publishes the following related reports:

Series	Frequency	Title
<i>Current Industrial Reports</i>		
MQ22D	Quarterly	<i>Consumption on the Woolen System and Worsted Combing</i>
M22P	Monthly	<i>Consumption on the Cotton System and Stocks</i>
MQ23X	Quarterly	<i>Sheets, Pillowcases, and Towels</i>
MA22F.1	Annually	<i>Textured Yarn Production</i>
MA22F.2	Annually	<i>Spun Yarn Production</i>
MA22K	Annually	<i>Knit Fabric Production</i>
MA22Q	Annually	<i>Carpet and Rugs</i>
MA22M	Biennially	<i>Stocks of Wool and Related Fibers</i>
MQ23A	Quarterly	<i>Apparel</i>
MA23D	Annually	<i>Gloves and Mittens</i>

### *Other Industry Reports*

M3-1	Monthly	<i>Manufacturers' Shipments, Inventories, and Orders</i>
(AS)	Annually	<i>Annual Survey of Manufacturers (ASM)</i>
(MC)	Quinquennially	<i>Census of Manufactures</i>



Series	Frequency	Title	Subject Area	Contact	Phone Number
<i>Foreign Trade Reports</i>			Classification Systems Comparability	Francis McCormick (ESD)	301-763-1935
CD-ROM	Monthly/Annually	<i>U.S. Exports—Schedule B—Commodity by Country</i>	Census/ASM	Ted McGrath	301-763-5152
FT 447	Annually		Foreign Trade	Trade Data Inquiries Staff (FTD)	301-763-5140
CD-ROM	Monthly/Annually	<i>U.S. Imports for Consumption—HTSUSA—Commodity by Country</i>			
FT 247	Annually				

### CONTACTS FOR DATA USERS

Subject Area	Contact	Phone Number
Current Industrial Report MQ22T	Keith Featherstone	301-763-2553
Manufacturers' Shipments, Inventories, and Orders	Steve Andrews	301-763-2502

Office of Textiles and Apparel	James Bennett	202-377-4058
To order a Current Industrial Report	Superintendent of Documents (GPO)	202-783-3238
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### Who's Supporting the Kids?

More and more children are living in homes without fathers. By Spring 1990, 16 million women, aged 15 and over, maintained families with children under age 21 whose fathers were absent from the home. About 3.7 million of these women were receiving child support payments from the absent father. About 3.2 million of these women were in poverty.

This Brief examines the characteristics of women receiving child support payments, the amount they received, and visitation rights and residence of absent fathers. This Brief does not provide data on men who receive child support from an absent mother. The data were not available from the 1990 survey sample size was not large enough to provide reliable data for this purpose. Data come from the 1990 Survey of Income and Program Participation (SIPP), which is conducted by the Department of Commerce, Bureau of Economic Analysis, Office of Child Support Enforcement.

One half of women due support actually received full amounts. Five million women were supported to receive child support payments in 1989. Only about one half received the full amount due them. The remainder were about evenly split between those receiving a portion of what they were due and those who received nothing.

A total of \$11.2 billion was paid in child support in 1989. \$1.1 billion less than was due. The mean amount received by all those due payments in 1989 was \$2,752. If the full amount due was paid, the mean amount would have been \$3,292.

Mothers with child support awards had a significantly lower poverty rate than those without awards (24 versus 43 percent). Also, never married mothers with children from an absent father had a poverty rate of 34 percent, compared with 23 percent for those who had been married before.

Support varies by group:

- Marital history: women who have been married before were three times as likely to be awarded child support as those who had never been married (72 versus 24 percent).
- Race and Hispanic origin: While 68 percent of white women were awarded child support, only 35 percent of Black women received such awards. The award rate for Hispanic origin women was 41 percent.

Child Support Award Status of Women with Children from an Absent Father: Spring 1990

Full awarded 41%  
Did not award 4%  
Full awarded but not received 12%  
Not awarded 43%

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**Statistical Brief**

### Trade With the Pacific Rim

Merchandise trade is crucial to the U.S. economy because it is a high in value and a major source of recent economic growth. In 1990, the value of all U.S. export shipments was nearly \$305 billion and U.S. imports totaled over \$495 billion.

The value of all U.S. export shipments was nearly \$305 billion and U.S. imports totaled over \$495 billion.

Exports increased 8 percent above 1989 (excluding price increases) and provided some 40 percent of year-to-year GNP growth.

At U.S. merchandise exports plus imports grew by nearly 90 percent, and our imports from the world more than doubled.

U.S. exports plus imports with the Pacific Rim increased by 185 percent and our imports from that region nearly tripled.

Trade is important. Merchandise trade is crucial.

Pacific Rim Trade Is Our Largest: 1990

Japan \$175B  
Canada \$100B  
Europe \$100B  
Latin America \$100B  
Other Countries \$100B

Source: U.S. Department of Commerce, Bureau of Economic Analysis, Office of Child Support Enforcement.



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## Broadwoven Fabrics (Gray)

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The statistics in this publication are based on a survey of manufacturers and represent total U.S. production of broadwoven fabrics over 12 inches. Estimates are included for companies whose reports were not received in time

for tabulation. A description of the survey methodology and related information appears in the first quarter report for this series, MQ22T(92)-1, issued August 1992.

This report is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call 301-763-4100.

Table 1. SUMMARY OF PRODUCTION OF BROADWOVEN GRAY FABRICS, BY TYPE OF FABRIC: 1987 TO 1992

(Millions of square yards)

Year	Chiefly cotton fabrics	Manmade fiber fabrics, including silk and manmade/wool blends	Chiefly wool fabric	Tire cord and tire cord fabrics
<b>1992</b>				
Second quarter .....	1,163.2	2,849.3	47.2	209.7
First quarter .....	1,144.3	2,759.1	45.6	205.1
<b>1991</b>				
Fourth quarter .....	1,093.3	2,751.1	41.5	186.2
Third quarter .....	1,081.6	2,644.7	41.4	175.1
Second quarter .....	1,147.9	2,675.6	48.7	180.8
First quarter .....	1,080.7	2,543.2	38.0	178.6
<b>1990</b>				
Fourth quarter .....	1,048.0	2,700.2	31.4	177.8
Third quarter .....	1,087.3	2,585.9	32.6	172.5
Second quarter .....	1,126.6	2,664.2	38.7	183.3
First quarter .....	1,201.5	2,712.2	38.0	184.7
<b>1989</b>				
Fourth quarter .....	1,105.8	2,714.6	37.0	161.4
Third quarter .....	1,134.3	2,670.0	40.1	172.0
Second quarter .....	1,191.8	2,782.2	50.9	179.3
First quarter .....	1,157.2	2,796.0	48.3	175.7
<b>1988</b>				
Fourth quarter .....	1,052.3	2,847.7	43.9	168.9
Third quarter .....	1,072.2	2,735.6	43.0	169.5
Second quarter .....	1,255.0	2,877.6	53.0	157.7
First quarter .....	1,252.1	2,908.8	50.6	153.8
<b>1987</b>				
Fourth quarter .....	1,178.2	2,945.9	40.9	126.8
Third quarter .....	1,219.1	2,787.7	36.0	122.1
Second quarter .....	1,216.9	2,764.0	45.9	121.9

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Keith Featherstone (301) 763-2553.

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Table 2. SUMMARY OF PRODUCTION AND LOOM ASSIGNMENTS OF BROADWOVEN GRAY FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1992		First quarter 1992		Production, year-to-date (M sq. yards)
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)	
2211B 00	Cotton and chiefly cotton fabrics mixed mainly or solely with manmade fibers .....	30,080	1,163,249	29,468	1,144,317	2,307,566
2211C 00	Plain weaves .....	14,112	549,977	13,833	555,571	1,105,548
2211D 00	Twill weaves .....	7,574	387,424	7,309	355,380	722,804
2211E 00	All other weaves except pile .....	3,597	117,713	3,347	113,062	230,775
2211E 00	Pile fabrics .....	4,797	128,135	4,979	120,304	248,439
	Chiefly cotton fabrics mixed mainly or solely with other than manmade fibers .....	(D)	(D)	(D)	(D)	(D)
	Manmade fiber and silk gray broadwoven fabrics .....	60,279	2,849,371	59,517	2,759,107	5,608,479
2221B 00	85 percent or more filament rayon and/or acetate fabrics .....	8,861	201,609	7,163	193,157	394,766
2221C 00	85 percent or more filament fabrics, except rayon and/or acetate .....	15,968	1,230,890	16,077	1,178,568	2,409,458
	85 percent or more spun yarn fabrics, except wool blends .....	28,828	1,050,415	28,148	1,043,197	2,093,612
2221D 00	Plain weave, except pile .....	21,815	853,318	21,509	855,143	1,708,461
2221E 00	Twill weave, except pile .....	3,559	114,891	3,604	107,761	222,652
2221F 00	All other weaves, except pile .....	3,252	82,206	3,033	80,293	162,499
2221G 00	Spun/filament yarn combinations .....	(D)	(D)	(D)	(D)	(D)
2221H 10	Pile fabrics .....	710	14,234	708	12,306	28,540
2221H 2X	All other chiefly manmade fiber fabrics, including chiefly manmade fiber blends with wool .....	(D)	(D)	(D)	(D)	(D)
2221H 01	Silk fabrics .....	98	375	88	269	644
	Woolen and worsted fabrics .....	2,019	47,203	1,909	45,860	92,863

(D) Data withheld to avoid disclosing figures for individual companies.

Table 3. SUMMARY OF PRODUCTION OF BROADWOVEN FABRIC BY TEXTILE CATEGORY

(Thousands of square yards)

Product description	Production during quarter		Production year-to-date
	Second quarter 1992	First quarter 1992	
Blue denim .....	189,697	191,776	381,473
All other yarn dyed fabric .....	148,859	124,705	271,564
Plain weave .....	30,379	24,528	54,907
Twill weave .....	48,279	35,420	83,699
All other weave .....	68,201	64,757	132,958
Cheesecloth and batistes .....	290,788	310,446	601,234
Duck .....	(D)	(D)	(D)
Oxfords .....	24,568	20,401	44,969
Pile fabrics .....	142,369	132,610	274,979
Special weave fabric .....	89,747	91,692	181,439
Other fabrics, chiefly cotton fiber:			
Print cloth .....	102,57	109,222	211,798
Poplin and broadcloth .....	13,069	12,632	25,701
Sheeting .....	174,222	156,447	330,669
Twills .....	130,378	128,933	259,311
Sateens .....	10,747	9,161	19,908
Other fabrics, chiefly manmade fiber:			
Manmade/wool blends .....	(D)	(D)	(D)
85 percent or more filament yarn fabrics:			
Typewriter .....	28,295	28,719	57,014
Other nylon .....	119,559	112,249	231,808
Rayon and acetate .....	201,609	193,157	394,766
Polyester .....	204,808	186,522	391,330
Glass fiber .....	97,932	91,774	189,706
All other .....	780,296	759,304	1,539,600
85 percent or more spun yarn fabrics:			
Print cloth .....	174,268	176,415	350,683
Poplin and broadcloth .....	139,586	146,303	285,889
Sheeting .....	463,113	461,558	924,671
Twills and sateens .....	121,332	115,032	236,364
Spun filament combinations except blue denim:			
Print cloth .....	105,082	97,022	202,104
Poplin and broadcloth .....	76,372	66,814	143,186
Sheeting .....	32,555	38,439	70,994
Twills and sateens .....	30,640	26,381	57,021
Other .....	87,071	82,529	169,600
Wool fabrics .....	47,203	45,660	92,863
Silk fabrics .....	375	269	644

(D) Data withheld to avoid disclosing figures for individual companies.

\*Revised by 5 percent or more from previously published figures.



**Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1992		First quarter 1992	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
2211B 02	Tobacco, cheese, and bandage cloth . . . . .	3,087	298,142	3,305	318,980
2221D 03	More than 50 percent cotton . . . . .	2,583	241,361	2,724	281,158
2221D 04	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
2221D 05	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
2211B 05	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2221G 04	Chiefly cotton . . . . .	-	-	-	-
	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211B 12	Print cloth . . . . .	13,269	381,955	13,331	382,659
2221D 13	More than 50 percent cotton . . . . .	5,853	102,395	6,008	109,222
2221D 15	Chiefly spun polyester mixed with cotton . . . . .	4,966	151,394	5,113	153,637
2221D 16	Chiefly spun polyester mixed with rayon . . . . .	(D)	(D)	(D)	(D)
2221D 18	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
	All other fabrics, 85 percent or more spun yarn . . . . .	434	13,856	379	12,678
2211B 14	Spun/filament combinations . . . . .	1,703	105,292	1,498	97,022
2221G 07	Chiefly cotton . . . . .	(D)	(D)	-	-
	Chiefly manmade . . . . .	(D)	(D)	1,498	97,022
	Poplin and broadcloth . . . . .	6,749	252,085	6,397	245,019
	More than 50 percent cotton . . . . .	438	14,984	424	14,966
2211B 21	Weighing 5.9 ounces or less per square yard . . . . .	334	10,009	337	11,977
2211B 25	Carded . . . . .	149	4,720	165	4,088
2211B 30	Combed . . . . .	185	5,289	172	7,889
	Weighing more than 5.9 ounces per square yard . . . . .	104	4,975	87	2,989
2221D 23	Chiefly spun polyester mixed with cotton . . . . .	4,170	134,807	3,741	133,658
2221D 25	Weighing 5.0 ounces or less per square yard . . . . .	3,926	125,393	3,557	124,334
	Carded . . . . .	3,100	89,148	2,915	91,179
	Combed . . . . .	826	36,245	642	33,155
2221D 27	Weighing more than 5.0 ounces per square yard . . . . .	244	9,414	184	9,322
2221D 31	Carded . . . . .	(D)	(D)	(D)	(D)
2221D 33	Combed . . . . .	(D)	(D)	(D)	(D)
2221D 34	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
	All other fabrics, 85 percent or more spun yarn . . . . .	621	20,176	748	22,581
2211B 35	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2221G 19	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
	Chiefly manmade . . . . .	1,284	76,372	1,205	66,814
2211B 41	Lawns, voiles, end betistes . . . . .	96	552	87	542
2221D 41	More than 50 percent cotton . . . . .	(D)	(D)	(D)	(D)
2221D 44	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
2221D 42	Chiefly spun rayon and/or acetate . . . . .	-	-	-	-
	All other fabrics, 85 percent or more spun yarn . . . . .	-	-	-	-
2211B 43	Spun/filament combinations . . . . .	-	-	(D)	(D)
2221G 28	Chiefly cotton . . . . .	-	-	-	-
	Chiefly manmade . . . . .	-	-	(D)	(D)
2211B 71	Duck, including taped warp duck . . . . .	641	17,216	610	14,810
2221D 89	More than 50 percent cotton . . . . .	269	8,541	260	7,489
2221D 91	Chiefly spun polyester mixed with cotton . . . . .	130	2,201	141	2,438
	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
2211B 75	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2221G 77	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211B 45	Bedsheeting . . . . .	11,706	488,837	11,009	473,927
	More than 50 percent cotton . . . . .	2,761	101,127	2,436	90,475
2221D 43	Chiefly spun polyester mixed with cotton . . . . .	7,959	332,510	7,590	332,750
2221D 45	Carded . . . . .	1,944	110,912	1,496	91,509
2221D 46	Combed . . . . .	6,015	221,598	6,114	241,241
2221D 47	Chiefly spun rayon and/or acetate . . . . .	-	-	-	-
	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
2211B 47	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2221G 33	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211B 61	All other sheeting, including osnaburgs . . . . .	4,042	190,345	4,068	187,775
	More than 50 percent cotton . . . . .	1,626	55,371	1,520	54,853
	Weighing 5.9 ounces or less per square yard . . . . .	1,244	39,309	1,207	39,285
	Weighing more than 5.9 ounces per square yard . . . . .	382	16,062	313	15,568
2211B 63	Blanketing . . . . .	185	10,753	174	11,323
2211B 65	All other fabric . . . . .	197	5,309	139	4,245
2221D 63	B5 percent or more spun polyester . . . . .	156	5,668	156	6,033
2221D 65	Blanketing . . . . .	(D)	(D)	(D)	(D)
	All other fabric . . . . .	(D)	(D)	(D)	(D)
2221D 73	Chiefly spun polyester mixed with cotton . . . . .	1,359	79,058	1,465	79,585
2221D 75	Weighing 5.0 ounces or less per square yard . . . . .	1,106	68,109	1,212	66,754
	Weighing more than 5.0 ounces per square yard . . . . .	253	10,949	253	12,831
2221D 81	Chiefly spun acrylic . . . . .	140	9,606	143	7,257
2221D 83	Blanketing . . . . .	(D)	(D)	(D)	(D)
2221D 84	All other fabric . . . . .	(D)	(D)	(D)	(D)
2221D 85	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)

See footnotes at end of table.



**Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS—Continued**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1992		First quarter 1992	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	All other sheeting—Cont.				
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
22118 67	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 45	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	Blue denim . . . . .	3,196	189,697	3,338	191,776
	More than 50 percent cotton . . . . .	3,102	184,576	3,248	188,088
2211C 01	Weighing 10.7 ounces or less per square yard . . . . .	337	19,091	433	22,306
2211C 03	Weighing more than 10.7 ounces per square yard . . . . .	2,765	165,485	2,815	163,780
	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211G 05	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 46	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	All other denim . . . . .	1,054	54,192	828	43,728
	More than 50 percent cotton . . . . .	1,023	52,885	804	42,488
2211C 11	Weighing 10.7 ounces or less per square yard . . . . .	107	4,377	65	4,833
2211C 13	Weighing more than 10.7 ounces per square yard . . . . .	916	48,508	739	37,655
2221E 13	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
	Spun filament combinations . . . . .	(D)	(D)	(D)	(D)
2211C 15	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221C 18	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211C 21	Canton flannels . . . . .	425	9,551	425	6,360
	All other twill weaves . . . . .	7,083	253,540	6,914	241,850
	More than 50 percent cotton . . . . .	2,918	115,804	2,715	115,183
2211C 31	Weighing 5.9 ounces or less per square yards . . . . .	1,101	32,420	1,011	31,859
2211C 33	Weighing more than 5.9 ounces per square yard . . . . .	1,817	83,384	1,704	83,324
2221E 21	85 percent or more spun polyester . . . . .	151	9,806	126	6,387
	Chiefly spun polyester mixed with cotton . . . . .	2,082	74,388	2,150	74,782
2221E 23	Weighing 5.0 ounces or less per square yard . . . . .	576	12,248	677	16,836
2221E 25	Weighing more than 5.0 ounces per square yard . . . . .	1,506	62,140	1,473	57,948
2221E 28	Chiefly spun rayon end/or acetate . . . . .	(D)	(D)	(D)	(D)
2221E 27	All other fabrics, 85 percent or more spun yarn . . . . .	717	19,127	708	18,191
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211C 35	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221C 39	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	Sateens . . . . .	817	25,290	832	24,176
2211D 05	More than 50 percent cotton . . . . .	175	10,639	179	9,100
2221F 05	Chiefly spun polyester mixed with cotton . . . . .	146	4,296	195	5,447
2221F 06	Chiefly spun rayon end/or acetate . . . . .	(D)	(D)	(D)	(D)
2221F 07	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations . . . . .	343	7,995	311	7,732
2211D 07	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 05	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	Oxfords . . . . .	1,640	56,989	1,121	51,397
	More than 50 percent cotton . . . . .	961	34,769	588	27,630
2221F 11	Chiefly spun polyester mixed with cotton . . . . .	308	5,940	132	6,708
2221F 17	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211D 13	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 68	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211D 31	Birdseye diaper cloth . . . . .	(D)	(D)	(D)	(D)
2211D 35	Huck and crash toweling . . . . .	(D)	(D)	(D)	(D)
	Table damask . . . . .	359	16,207	343	14,637
2211D 45	More than 50 percent cotton . . . . .	(D)	(D)	(D)	(D)
2221F 32	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
2221F 37	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
2221G 82	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211D 07	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 82	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	Jacquard and dobby shirting fabrics . . . . .	433	10,930	409	11,811
2211D 51	More than 50 percent cotton . . . . .	82	4,671	69	4,364
2221F 41	Chiefly spun polyester mixed with cotton . . . . .	199	1,734	122	3,204
2221F 43	All other fabric, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211D 53	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 84	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	All other weaves . . . . .	5,870	152,284	5,432	144,430
	More than 50 percent cotton . . . . .	1,603	39,825	1,558	39,183
2211D 62	Weighing 5.9 ounces or less per square yard . . . . .	360	13,873	371	13,440
2211D 64	Weighing more than 5.9 ounces per square yard . . . . .	1,243	25,952	1,187	25,743
2221F 52	85 percent or more spun polyester . . . . .	259	5,608	239	5,563
	Chiefly spun polyester mixed with cotton . . . . .	644	10,670	618	8,779
2221F 54	Weighing 5.0 ounces or less per square yard . . . . .	179	6,126	173	4,757
2221F 56	Weighing more than 5.0 ounces per square yard . . . . .	465	4,544	445	4,022
2221F 58	All other fabrics, 85 percent or more spun yarn . . . . .	961	22,808	950	21,339
	Spun/filament combinations . . . . .	2,403	73,373	2,067	69,566
2211D 66	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 87	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies.

\*Revised by 5 percent or more from previously published figures.



Table 5. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE FILAMENT YARN FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1992		First quarter 1992	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	85 percent or more filament yarn fabrics .....	22,850	1,433,036	23,261	1,372,315
	High tenacity yarn fabrics .....	1,095	33,776	1,116	30,897
2221B 02	100 percent and chiefly rayon .....	500	4,641	498	4,767
2221C 02	100 percent and chiefly nylon .....	301	14,114	322	13,303
2221C 04	100 percent and chiefly polyester .....	294	15,021	296	12,827
2221C 07	85 percent more filament yarn fabric obtained from strip or the like except rayon and/or acetate .....	(D)	(D)	(D)	(D)
	85 percent or more filament rayon, acetate and/or triacetate filament yarn fabrics .....	4,795	157,691	4,919	150,481
	Weighing not more than 5 ounces per square yard ..	4,341	143,610	4,454	136,881
2221B 11	Plain weave .....	3,018	98,641	3,075	93,452
2221B 13	Other weaves .....	1,323	44,969	1,379	43,429
	Weighing more than 5 ounces per square yard .....	454	14,081	465	13,600
2221B 15	Plain weave .....	(D)	(D)	(D)	(D)
2221B 17	Other weaves .....	(D)	(D)	(D)	(D)
	Other chiefly rayon and/or acetate filament yarn fabrics ..	1,566	39,277	1,746	37,909
2221B 32	Weighing not more than 5 ounces per square yard ..	1,036	29,254	1,165	28,946
2221B 35	Weighing more than 5 ounces per square yard .....	530	10,023	581	8,963
	85 percent or more nylon filament yarn fabrics .....	3,483	130,646	3,495	125,614
2221C 11	Typewriter and other impression fabrics .....	765	28,295	835	28,719
	Other 85 percent or more nylon filament yarn fabrics ..	2,718	102,351	2,660	96,895
	Weighing not more than 5 ounces per square yard ..	2,409	85,916	2,412	83,089
2221C 14	Flat, non-textured .....	2,088	72,253	2,111	70,234
2221C 16	All other .....	321	13,663	301	12,855
	Weighing more than 5 ounces per square yard .....	309	16,435	248	13,806
2221C 22	Flat, non-textured .....	197	6,219	166	5,328
2221C 24	All other .....	112	10,216	82	8,478
	Other chiefly nylon filament fabrics .....	(D)	(D)	(D)	(D)
2221C 32	Weighing not more than 5 ounces per square yard ..	(D)	(D)	(D)	(D)
2221C 34	Weighing more than 5 ounces per square yard .....	(D)	(D)	(D)	(D)
	85 percent or more polyester filament yarn fabrics .....	5,687	186,099	5,785	170,470
	Textured .....	4,047	134,782	4,226	121,828
2221C 42	Weighing not more than 5 ounces per square yard <sup>1</sup> ..	2,250	69,692	2,357	64,298
2221C 44	Flat .....	(D)	(D)	(D)	(D)
2221C 45	Other .....	(D)	(D)	(D)	(D)
	Weighing more than 5 ounces per square yard <sup>1</sup> .....	1,797	65,090	1,869	57,530
2221C 50	Non-textured .....	1,640	51,317	1,559	48,642
	Weighing not more than 5 ounces per square yard <sup>1</sup> ..	873	26,451	941	27,944
2221C 55	Weighing more than 5 ounces per square yard <sup>1</sup> .....	767	24,866	618	20,698
2221C 62	Other chiefly polyester filament fabrics .....	252	3,688	242	3,225
	Glass fiber fabrics .....	2,416	97,932	2,394	91,774
2221C 72	Woven roving and screening .....	115	13,678	102	11,768
2221C 74	All other glass fiber fabrics .....	2,301	84,254	2,292	80,006
	All other 85 percent or more filament yarn fabrics, including saran and olefin .....	3,287	780,296	3,293	759,304
	Carpet backing .....	2,759	718,377	2,768	695,389
2221C 80	Woven synthetic (including olefin) .....	(D)	(D)	(D)	(D)
2221C 83	Jute and other backing .....	(D)	(D)	(D)	(D)
2221C 84	All other .....	528	61,919	525	63,915

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Classified on a finished weight basis.



**Table 6. PRODUCTION AND LOOM ASSIGNMENT OF PILE FABRICS (INCLUDES YARN DYED FABRIC)**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1992		First quarter 1992	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Pile fabrics .....	5,507	142,369	5,687	132,610
	Corduroy .....	614	16,755	830	15,244
2211E 01	More than 50 percent cotton .....	614	16,755	830	15,244
2211E 03	Finewales and pinwales .....	428	10,855	486	7,121
2211E 06	Midwales .....	(D)	(D)	(D)	(D)
2221H 01	Widewales and other .....	(D)	(D)	(D)	(D)
	Chiefly manmade fiber .....	-	-	-	-
	Velvets, plushes, and other pile fabrics .....	750	14,891	751	12,975
2211E 21	More than 50 percent cotton .....	(D)	(D)	(D)	(D)
2221H 11	Chiefly manmade fiber .....	(D)	(D)	(D)	(D)
	Terry cloth and terry toweling .....	4,143	110,723	4,106	104,391
2211E 32	Terry toweling .....	3,963	107,712	3,947	101,006
2211E 34	Terry cloth .....	180	3,011	159	3,385

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies.

**Table 7. PRODUCTION AND LOOM ASSIGNMENT OF WOOLEN AND WORSTED FABRICS, INCLUDING CHIEFLY MANMADE/WOOL BLENDS AND CHIEFLY COTTON/WOOL BLENDS**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1992		First quarter 1992	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Woolen and worsted fabrics, 36 percent or more wool (except felts) .....	2,019	47,203	1,909	45,660
	Apparel fabrics, including government orders .....	1,887	45,455	1,782	43,929
	Worsted fabrics .....	1,173	27,671	1,075	27,773
22312 01	Weighing not more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
22312 02	Weighing more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
	Woolen fabrics .....	714	17,784	707	16,156
22312 21	Weighing not more than 9 ounces per square yard .....	(D)	(D)	(D)	(D)
22312 23	Weighing more than 9 ounces per square yard .....	(D)	(D)	(D)	(D)
	Nonapparel fabrics, including government orders (except felts) ..	132	1,748	127	1,731
22312 62	Blanketing, including thermal .....	(D)	(D)	(D)	(D)
22312 61	Upholstery fabric .....	(D)	(D)	(D)	(D)
22312 85	All other fabrics .....	82	859	82	900
22312 92	Woven felts (thousands of pounds) .....	143	1,334	145	1,396
	Chiefly manmade/wool blend and chiefly cotton/wool blend fabrics .....	(D)	(D)	(D)	(D)
	Chiefly spun polyester mixed mainly or solely with wool .....	(D)	(D)	(D)	(D)
2221H 21	Woolen .....	(D)	(D)	(D)	(D)
	Worsted .....	(D)	(D)	(D)	(D)
2221H 25	Weighing not more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
2221H 27	Weighing more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
2221H 32	All other chiefly spun fibers mixed mainly or solely with wool ..	(D)	(D)	(D)	(D)
	Chiefly filament polyester mixed mainly or solely with wool or spun polyester/wool blends (less than 36 percent wool) .....	(D)	(D)	(D)	(D)
2221H 51	Woolen .....	(D)	(D)	(D)	(D)
	Worsted .....	(D)	(D)	(D)	(D)
2221H 53	Weighing not more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
2221H 55	Weighing more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
2221H 63	All other chiefly filament yarn mixed mainly or solely with wool ..	(D)	(D)	(D)	(D)

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Includes fabrics 36 percent or more wool or reprocessed wool by weight. 1986 and prior years include fabrics 50 percent or more wool or reprocessed wool by weight.



Table 8. PRODUCTION AND LOOM ASSIGNMENT OF UPHOLSTERY FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Second quarter 1992		First quarter 1992	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Upholstery fabrics.....	3,913	98,725	3,644	89,886
	85 percent or more spun yarn and spun filament combinations ..	3,161	76,823	2,978	71,229
	Pile woven .....	674	15,708	682	13,881
2211E 41	All cotton and chiefly cotton .....	23	162	26	198
2221H 41	All manmade and chiefly manmade.....	651	15,546	656	13,683
	Flat woven .....	2,487	61,115	2,296	57,348
2211X 01	All cotton and chiefly cotton .....	792	20,154	747	19,430
	All manmade and chiefly manmade.....	1,695	40,961	1,549	37,918
2221X 01	Olefin.....	340	7,901	342	6,887
2221X 03	All other flat woven manmade fiber fabrics .....	1,355	33,060	1,207	31,031
	85 percent or more filament yarn .....	752	21,902	666	18,657
2221X 01	All polyester and chiefly polyester .....	341	8,429	290	6,577
2221X 03	All nylon and chiefly nylon .....	(D)	(D)	(D)	(D)
2221X 05	All olefin and chiefly olefin .....	319	12,200	307	11,271
2221X 07	All other filament fiber fabrics .....	(D)	(D)	(D)	(D)

(D) Data withheld to avoid disclosing figures for individual companies.

Table 9. PRODUCTION OF TIRE CORD AND TIRE CORD FABRICS

(Thousands of pounds)

Product code	Product description	Production during quarter	
		Second quarter 1992	First quarter 1992
22960 00	Tire cord and tire cord fabrics .....	209,748	205,116
22960 12	Cotton tire cord and tire cord fabrics .....	-	-
22960 32	Rayon tire cord and tire cord fabrics .....	434	648
22960 35	Nylon tire cord and tire cord fabrics .....	39,394	39,406
22960 37	Polyester tire cord and tire cord fabrics .....	53,506	53,537
22960 38	Glass tire cord and tire cord fabrics .....	330	230
22960 45	Steel tire cord .....	112,266	104,484
22960 49	All other tire cord and tire cord fabrics including chafer .....	3,818	3,811

- Represents zero. 'Revised by 5 percent or more from previously published figures.

Table 10. LOOMS IN PLACE AND LOOM HOURS OPERATED IN BROADWOVEN FABRIC MILLS

Product description	Second quarter 1992		First quarter 1992	
	Looms in place (number)	Thousands of loom hours operated	Looms in place (number)	Thousands of loom hours operated
Total .....	97,755	175,597	97,623	176,918
Shuttle type looms.....	31,576	52,999	32,522	56,800
Single shuttle cam looms.....	21,843	37,179	22,479	39,121
Single shuttle dobby looms.....	5,592	10,454	6,031	11,729
Multiple shuttle box or head motion looms.....	2,657	3,324	2,492	3,681
Double shuttle pile and plush, and jacquard looms.....	1,484	2,042	1,520	2,269
Shuttleless looms and weaving machines .....	66,179	122,598	65,111	120,118
Single filling insertion capability.....	39,093	77,032	39,003	76,038
Air jet looms.....	15,602	31,193	15,494	31,222
Water jet looms .....	6,046	11,700	5,974	11,378
Projectile looms .....	12,478	24,386	12,277	24,036
Rapier looms.....	4,967	9,753	5,258	9,402
Multiple filling insertion capability .....	26,296	44,410	25,322	43,042
Air jet looms.....	(D)	(D)	(D)	(D)
Water jet looms .....	(D)	(D)	(D)	(D)
Projectile looms .....	10,716	19,393	10,475	18,948
Rapier looms.....	12,019	18,415	11,836	18,196
Pile and plush looms .....	790	1,156	786	1,108

(D) Data withheld to avoid disclosing figures for individual companies. 'Revised by 5 percent or more from previously published figures.



**Table 11. PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF BROADWOVEN FABRICS: SECOND QUARTER 1992**

(Quantity in thousands of square yards; value in thousands of dollars)

Product description	Manufacturers' shipments <sup>1</sup> (quantity)	Imports for consumption <sup>2</sup>		Percent imports to manufacturers' shipments (quantity)	Exports of domestic merchandise <sup>4</sup>		Percent exports to manufacturers' shipments (quantity)	Apparent consumption <sup>5</sup>
		Quantity	Value <sup>3</sup>		Quantity	Value		
Cotton fabrics <sup>6</sup> . . . . .	972,630	418,410	439,817	43.0	(NA)	(NA)	(NA)	(NA)
Cheesecloth and batistes . . . . .	(D)	10,366	8,434	(D)	10,376	17,258	(D)	(D)
Print cloth . . . . .	85,766	88,651	55,982	103.4	1,069	2,192	1.2	173,347
Poplin and broadcloth . . . . .	10,927	63,932	51,431	585.1	6,428	11,880	58.8	66,431
Weighing 5.9 ounces or less per square yard . . . . .	7,571	62,952	48,280	831.5	2,675	6,484	35.3	67,848
Weighing more than 5.9 ounces per square yard . . . . .	3,358	981	3,151	29.2	3,753	5,396	111.8	584
Duck, including tape warp . . . . .	(D)	21,256	18,924	(D)	3,173	7,064	(D)	(D)
Sheeting . . . . .	145,671	103,292	75,299	70.9	3,647	7,912	2.5	245,315
Twills and sateens . . . . .	118,998	61,317	85,023	51.5	4,747	9,825	4.0	175,569
Oxfords . . . . .	12,835	2,733	7,003	21.3	(NA)	(NA)	(NA)	(NA)
All other constructions . . . . .	42,604	13,370	18,179	31.4	(NA)	(NA)	(NA)	(NA)
Blue Denim . . . . .	(D)	22,069	39,369	(D)	16,335	40,604	(D)	(D)
Yarn dyed fabric . . . . .	82,033	27,602	68,031	33.6	7,588	13,403	9.2	102,047
Pile fabrics, including yarn dyed . . . . .	107,136	3,822	14,142	3.6	1,580	5,021	1.5	109,378
Manmade fiber fabrics . . . . .	2,382,417	204,492	403,071	8.6	76,059	183,752	3.2	2,510,849
85% or more filament yarn fabrics . . . . .	1,197,742	75,253	135,804	6.3	43,234	102,489	3.8	1,229,760
Nylon and polyester high tenacity fabric . . . . .	24,360	2,189	7,393	9.0	7,971	19,094	32.7	18,579
Rayon high tenacity fabric . . . . .	3,880	239	347	6.2	1,232	2,673	31.8	2,887
Typewriter fabric . . . . .	23,658	44	38	0.2	(NA)	(NA)	(NA)	(NA)
Rayon or acetate filament yarn fabrics . . . . .	164,689	4,890	9,924	3.0	2,812	6,665	1.7	166,767
Polyester filament yarn fabric . . . . .	158,685	48,183	91,797	30.4	15,565	25,822	9.8	191,303
Glass fiber fabric . . . . .	81,883	7,039	9,263	8.6	(NA)	(NA)	(NA)	(NA)
Nylon filament yarn fabric . . . . .	88,165	11,803	14,997	13.4	4,178	14,510	4.7	95,789
All other filament yarn fabric . . . . .	652,421	865	2,045	0.1	11,476	33,725	1.8	641,811
85 percent or more spun yarn fabric . . . . .	890,175	92,819	128,389	10.4	20,384	47,027	2.3	962,610
Cheesecloth and batistes . . . . .	40,953	2,722	2,318	6.6				
Poplin broadcloth . . . . .	118,711	23,099	18,856	19.8				
Polyester/cotton . . . . .	97,945	22,272	17,082	22.7				
Weighing 5.0 ounces or less per square yard . . . . .	90,294	22,012	16,615	24.4				
Weighing more than 5.0 ounces per square yard . . . . .	7,651	260	467	3.4				
All other spun yarns . . . . .	18,766	828	1,774	4.4				
Print cloth . . . . .	145,709	15,947	8,977	10.9				
Polyester/cotton . . . . .	126,584	11,301	5,661	8.9				
All other spun yarns . . . . .	19,125	4,646	3,316	24.3				
Duck . . . . .	5,319	125	526	2.3				
Sheeting . . . . .	387,218	6,849	6,261	1.8				
Polyester/cotton . . . . .	342,480	5,559	3,629	1.6				
Weighing 5.0 ounces or less per square yard . . . . .	333,384							
Weighing more than 5.0 ounces per square yard . . . . .	9,096	5,559	3,629	61.1				
All other spun yarn . . . . .	44,738	1,290	2,632	2.9				
Sateens or twills . . . . .	101,448	23,596	26,530	23.3				
Oxford . . . . .	7,707	105	165	1.4				
All other spun manmade fiber fabrics . . . . .	31,428	2,661	8,043	8.5				
Yarn dyed fabric . . . . .	41,780	15,548	42,858	37.2				
Pile fabrics . . . . .	11,901	2,168	11,855	18.2	1,217	6,250	10.2	12,853
Spun/filament yarn combinations, including yarn dyed . . . . .	278,957	23,119	47,867	8.3	11,811	29,525	4.2	290,264
Chiefly manmade/wool blends . . . . .	15,231	7,437	25,166	48.8	(NA)	(NA)	(NA)	(NA)
Silk fabrics . . . . .	314	5,864	67,845	1,870.1	630	4,711	201.1	5,547
Wool fabrics . . . . .	39,467	7,923	78,303	20.1	1,691	10,893	4.3	45,700
Chiefly cotton fabrics blended with wool and other vegetable fibers and other vegetable fiber fabrics . . . . .	(D)	85	479	(D)	(NA)	(NA)	(D)	(D)

Note: Fabric blends as shown in Current Industrial Reports Series MQ22T are reported based on the chief weight of the fiber; whereas, fabric blends as shown for imports and exports are based on the chief value of the fiber.

(D) Data withheld to avoid disclosing figures for individual companies. (NA) Not available.

<sup>1</sup>Represents production of gray broadwoven fabrics; import and export data represent gray as well as finished broadwoven fabrics. For a comparison of Standard Industrial Classification (SIC) based product codes with Schedule B export numbers and HTSUSA import numbers, see table 12 in the first quarter 1992 report for this series, MQ22T(92)-1, issued August 1992. <sup>2</sup>Source: Bureau of the Census Report IM 145, *U.S. Imports for Consumption*. <sup>3</sup>This dollar value represents the c.i.f. (cost, insurance, and freight) at the first port of entry in the United States plus calculated import duty. <sup>4</sup>Source: Bureau of the Census Report EM 545, *U.S. Exports*. <sup>5</sup>Apparent consumption represents new domestic supply and is derived by subtracting exports from the total manufacturers' shipments plus imports. <sup>6</sup>Includes all cotton and chiefly cotton mixed with manmade fiber.



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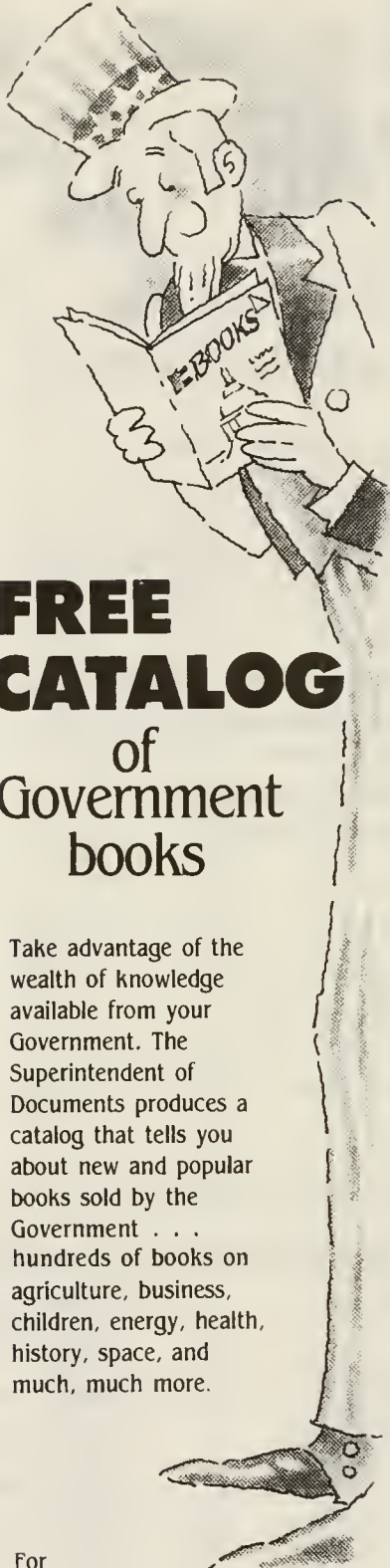
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## Broadwoven Fabrics (Gray)

B. 158:MQ 22 T(92)-3

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Economics and Statistics Administration  
BUREAU OF THE CENSUS

MAY 7 1993

THIRD QUARTER 1992

MQ22T(92)-3  
Issued January 1993

The statistics in this publication are based on a survey of manufacturers and represent total U.S. production of broadwoven fabrics over 12 inches. Estimates are included for companies whose reports were not received in time

for tabulation. A description of the survey methodology and related information appears in the first quarter report for this series, MQ22T(92)-1, issued August 1992.

This report is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. The electronic version of this report will be available approximately one week earlier than the printed report. The CENDATA report for fourth quarter 1992 will be released on or about February 24, 1993. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call 301-763-4100.

Table 1. SUMMARY OF PRODUCTION OF BROADWOVEN GRAY FABRICS, BY TYPE OF FABRIC: 1987 TO 1992

(Millions of square yards)

Year	Chiefly cotton fabrics	Manmade fiber fabrics, including silk and manmade/wool blends	Chiefly wool fabric	Tire cord and tire cord fabrics
<b>1992</b>				
Third quarter .....	1,130.2	2,822.2	44.4	190.3
Second quarter .....	1,172.4	2,837.2	47.2	'192.3
First quarter .....	1,144.3	2,769.1	45.6	'191.3
<b>1991</b>				
Fourth quarter .....	1,093.3	2,751.1	41.6	186.2
Third quarter .....	1,081.8	2,644.7	41.4	175.1
Second quarter .....	1,147.9	2,675.6	48.7	180.8
First quarter .....	1,080.7	2,543.2	38.0	178.6
<b>1990</b>				
Fourth quarter .....	1,048.0	2,700.2	31.4	177.8
Third quarter .....	1,087.3	2,585.9	32.6	172.6
Second quarter .....	1,126.6	2,664.2	38.7	183.3
First quarter .....	1,201.6	2,712.2	38.0	184.7
<b>1989</b>				
Fourth quarter .....	1,105.8	2,714.6	37.0	161.4
Third quarter .....	1,134.3	2,670.0	40.1	172.0
Second quarter .....	1,191.8	2,782.2	50.9	179.3
First quarter .....	1,167.2	2,796.0	48.3	175.7
<b>1988</b>				
Fourth quarter .....	1,052.3	2,847.7	43.9	168.9
Third quarter .....	1,072.2	2,735.6	43.0	169.5
Second quarter .....	1,255.0	2,877.6	53.0	157.7
First quarter .....	1,252.1	2,908.8	60.6	153.8
<b>1987</b>				
Fourth quarter .....	1,178.2	2,945.9	40.9	126.8
Third quarter .....	1,219.1	2,787.7	36.0	122.1
Second quarter .....	1,216.9	2,764.0	45.9	121.9

<sup>1</sup>Revised by 5 percent or more from previously published figures.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Keith Featherstone 301-763-2553.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.



Table 2. SUMMARY OF PRODUCTION AND LOOM ASSIGNMENTS OF BROADWOVEN GRAY FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1992		Second quarter 1992		Production, year-to-date (M sq. yards)
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)	
	Cotton and chiefly cotton fabrics mixed mainly or solely with manmade fibers .....	28,959	1,130,213	30,099	1,172,378	3,446,908
2211B 00	Plain weaves .....	13,869	543,135	14,114	558,104	1,656,810
2211C 00	Twill weaves .....	7,262	360,227	7,577	367,424	1,083,031
2211D 00	All other weaves except pile .....	3,195	116,441	3,610	118,091	347,594
2211E 00	Pile fabrics .....	4,633	110,410	4,798	128,759	359,473
	Chiefly cotton fabrics mixed mainly or solely with other than manmade fibers .....	(D)	(D)	(D)	(D)	(D)
	Manmade fiber and silk gray broadwoven fabrics .....	57,557	2,822,189	59,499	2,837,210	8,415,317
2221B 00	85 percent or more filament rayon and/or acetate fabrics .....	6,367	188,669	6,787	205,086	586,912
2221C 00	85 percent or more filament fabrics, except rayon and/or acetate .....	15,663	1,234,775	15,827	1,218,797	3,632,140
	85 percent or more spun yarn fabrics, except wool blends .....	27,520	1,034,909	28,077	1,045,322	3,120,239
2221D 00	Plain weave, except pile .....	20,910	838,196	21,325	843,124	2,533,274
2221E 00	Twill weave, except pile .....	3,049	106,686	3,518	118,767	333,214
2221F 00	All other weaves, except pile .....	3,561	90,027	3,234	83,431	253,751
2221G 00	Spun/filament yarn combinations .....	(D)	(D)	(D)	(D)	(D)
2221H 10	Pile fabrics .....	686	12,556	710	14,234	39,096
2221H 2X	All other chiefly manmade fiber fabrics, including chiefly manmade fiber blends with wool .....	(D)	(D)	(D)	(D)	(D)
2221H 01	Silk fabrics .....	69	196	'83	'319	784
	Woolen and worsted fabrics .....	1,876	44,410	2,012	47,199	137,269

(D) Data withheld to avoid disclosing figures for individual companies.

'Revised by 5 percent or more from previously published figures.

Table 3. SUMMARY OF PRODUCTION OF BROADWOVEN FABRIC BY TEXTILE CATEGORY

(Thousands of square yards)

Product description	Production during quarter		Production year-to-date
	Third quarter 1992	Second quarter 1992	
Blue denim .....	189,369	189,697	570,842
All other yarn dyed fabric .....	143,893	148,574	417,579
Plain weave .....	33,204	30,870	88,993
Twill weave .....	43,722	49,505	128,663
All other weave .....	66,967	68,199	199,923
Cheesecloth and batistes .....	280,457	290,135	881,038
Duck .....	(D)	(D)	(D)
Oxfords .....	30,721	24,568	75,690
Pile fabrics .....	122,966	142,993	398,569
Special weave fabric .....	90,192	91,168	273,042
Other fabrics, chiefly cotton fiber:			
Print cloth .....	102,601	'110,751	322,574
Poplin and broadcloth .....	13,625	13,021	39,278
Sheeting .....	176,559	174,222	507,228
Twills .....	127,787	129,188	385,908
Sateens .....	11,670	10,739	31,565
Other fabrics, chiefly manmade fiber:			
Manmade/wool blends .....	(D)	(D)	(D)
85 percent or more filament yarn fabrics:			
Typewriter .....	25,940	28,295	82,954
Other nylon .....	112,115	117,532	341,896
Rayon and acetate .....	188,669	205,086	586,912
Polyester .....	205,822	205,758	598,102
Glass fiber .....	88,009	100,448	280,231
All other .....	802,889	767,301	2,330,084
85 percent or more spun yarn fabrics:			
Print cloth .....	176,927	174,230	527,572
Poplin and broadcloth .....	135,429	139,263	420,995
Sheeting .....	435,688	456,882	1,353,737
Twills and sateens .....	112,572	124,940	352,528
Spun filament combinations except blue denim:			
Print cloth .....	99,949	105,222	302,193
Poplin and broadcloth .....	84,067	78,143	229,024
Sheeting .....	29,100	32,564	100,103
Twills and sateens .....	29,719	'27,804	83,904
Other .....	85,913	89,591	258,033
Wool fabrics .....	44,410	47,199	137,269
Silk fabrics .....	196	'319	784

(D) Data withheld to avoid disclosing figures for individual companies.

'Revised by 5 percent or more from previously published figures.



**Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1992		Second quarter 1992	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
2211B 02	Tobacco, cheese, and bandage cloth . . . . .	3,212	286,493	3,087	297,470
2221D 03	More than 50 percent cotton . . . . .	2,878	231,882	2,583	241,381
2221D 04	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
2221D 05	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
2211B 05	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
2221G 04	Spun-filament combinations . . . . .	(D)	(D)	(D)	(D)
2211B 05	Chiefly cotton . . . . .	-	-	-	-
2221G 04	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211B 12	Print cloth . . . . .	12,678	379,491	13,242	390,232
2221D 13	More than 50 percent cotton . . . . .	5,644	102,615	5,830	110,570
2221D 15	Chiefly spun polyester mixed with cotton . . . . .	4,865	149,696	4,966	151,384
2221D 16	Chiefly spun polyester mixed with rayon . . . . .	(D)	(D)	(D)	(D)
2221D 18	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
2211B 14	All other fabrics, 85 percent or more spun yarn . . . . .	618	19,537	434	13,856
2221G 07	Spun-filament combinations . . . . .	1,548	99,949	1,706	105,432
2211B 14	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 07	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211B 21	Poplin end broadcloth . . . . .	8,753	258,579	6,547	253,485
2211B 25	More than 50 percent cotton . . . . .	419	15,225	441	14,984
2211B 30	Weighing 5.9 ounces or less per square yard . . . . .	345	10,716	337	10,009
2221D 23	Carded . . . . .	178	3,972	148	4,720
2221D 25	Combed . . . . .	189	6,744	172	5,289
2221D 27	Weighing more than 5.9 ounces per square yard . . . . .	74	4,509	104	4,975
2221D 31	Chiefly spun polyester mixed with cotton . . . . .	4,285	143,728	4,170	134,807
2221D 33	Weighing 5.0 ounces or less per square yard . . . . .	3,881	130,129	3,926	125,393
2221D 34	Carded . . . . .	3,308	90,079	3,100	89,148
2221D 35	Combed . . . . .	675	40,050	826	36,245
2221D 36	Weighing more than 5.0 ounces per square yard . . . . .	304	13,599	244	9,414
2221D 37	Carded . . . . .	(D)	(D)	(D)	(D)
2221D 38	Combed . . . . .	(D)	(D)	(D)	(D)
2221D 39	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
2221D 40	All other fabrics, 85 percent or more spun yarn . . . . .	353	8,887	436	19,999
2211B 35	Spun-filament combinations . . . . .	(D)	(D)	(D)	(D)
2221G 18	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 18	Chiefly manmade . . . . .	1,339	84,067	1,284	78,143
2211B 41	Lewns, voiles, and batistes . . . . .	113	981	97	841
2221D 41	More than 50 percent cotton . . . . .	(D)	(D)	(D)	(D)
2221D 42	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
2221D 43	Chiefly spun rayon and/or acetate . . . . .	-	-	-	-
2221D 44	All other fabrics, 85 percent or more spun yarn . . . . .	-	-	-	-
2211B 43	Spun-filament combinations . . . . .	(D)	(D)	(D)	(D)
2221G 28	Chiefly cotton . . . . .	-	-	-	-
2221G 28	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211B 71	Duck, including taped warp duck . . . . .	579	15,158	636	16,801
2221D 89	More than 50 percent cotton . . . . .	241	8,175	289	8,541
2221D 91	Chiefly spun polyester mixed with cotton . . . . .	132	2,091	130	2,201
2211B 75	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
2221B 77	Spun-filament combinations . . . . .	(D)	(D)	(D)	(D)
2221B 77	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221B 77	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211B 45	Bedsheeting . . . . .	11,029	475,853	11,710	486,394
2221D 43	More than 50 percent cotton . . . . .	2,760	104,975	2,781	101,127
2221D 45	Chiefly spun polyester mixed with cotton . . . . .	7,389	321,669	7,959	332,019
2221D 46	Carded . . . . .	1,742	108,263	1,924	109,855
2221D 47	Combed . . . . .	5,647	213,406	6,035	222,364
2221D 48	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
2221D 49	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
2211B 47	Spun-filament combinations . . . . .	(D)	(D)	(D)	(D)
2221G 33	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 33	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211B 61	All other sheeting, including osenbergs . . . . .	3,786	168,338	3,872	178,054
2221B 63	More than 50 percent cotton . . . . .	1,466	52,023	1,634	55,371
2221B 65	Weighing 5.9 ounces or less per square yard . . . . .	1,060	34,930	1,244	39,309
2221B 66	Weighing more than 5.9 ounces per square yard . . . . .	406	17,093	390	16,062
2221D 63	Blanketing . . . . .	225	11,000	185	10,753
2221D 65	All other fabric . . . . .	181	6,093	205	5,309
2221D 66	85 percent or more spun polyester . . . . .	153	5,800	158	5,882
2221D 67	Blanketing . . . . .	(D)	(D)	(D)	(D)
2221D 68	All other fabric . . . . .	(D)	(D)	(D)	(D)
2221D 73	Chiefly spun polyester mixed with cotton . . . . .	1,393	70,709	1,359	79,058
2221D 75	Weighing 5.0 ounces or less per square yard . . . . .	1,141	60,359	1,106	68,109
2221D 76	Weighing more than 5.0 ounces per square yard . . . . .	252	10,350	253	10,949
2221D 81	Chiefly spun acrylic . . . . .	189	10,909	140	10,992
2221D 83	Blanketing . . . . .	(D)	(D)	(D)	(D)
2221D 84	All other fabric . . . . .	(D)	(D)	(D)	(D)
2221D 85	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
2221D 86	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)

See footnotes at end of table.



**Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS—Continued**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1992		Second quarter 1992	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	All other sheeting—Cont.				
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211B 87	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 45	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	Blue denim . . . . .	3,488	189,369	3,196	189,697
	More than 50 percent cotton . . . . .	3,383	183,478	3,102	184,578
2211C 01	Weighing 10.7 ounces or less per square yard . . . . .	332	18,947	337	19,091
2211C 03	Weighing more than 10.7 ounces per square yard . . . . .	3,031	184,531	2,765	185,485
2221E 03	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211G 05	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 48	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	All other denim . . . . .	832	51,994	1,056	54,192
	More than 50 percent cotton . . . . .	802	50,153	1,025	52,885
2211C 11	Weighing 10.7 ounces or less per square yard . . . . .	150	5,583	109	4,377
2211C 13	Weighing more than 10.7 ounces per square yard . . . . .	652	44,570	918	48,508
2221E 13	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
	Spun filament combinations . . . . .	(D)	(D)	(D)	(D)
2211C 15	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221C 18	Chiefly manmade . . . . .	-	-	-	-
2211C 21	Canton flannels . . . . .	388	5,004	425	9,551
	All other twill weaves . . . . .	8,181	243,528	8,999	255,813
	More than 50 percent cotton . . . . .	2,590	115,702	2,919	115,804
2211C 31	Weighing 5.9 ounces or less per square yard . . . . .	950	28,200	1,101	32,420
2211C 33	Weighing more than 5.8 ounces per square yard . . . . .	1,840	87,502	1,818	83,384
2221E 21	85 percent or more spun polyester . . . . .	(D)	(D)	(D)	(D)
	Chiefly spun polyester mixed with cotton . . . . .	2,082	72,688	2,082	74,389
2221E 23	Weighing 5.0 ounces or less per square yard . . . . .	570	11,854	576	12,248
2221E 25	Weighing more than 5.0 ounces per square yard . . . . .	1,512	60,834	1,508	62,140
2221E 28	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
2221E 27	All other fabrics, 85 percent or more spun yarn . . . . .	588	18,082	587	22,610
	Spun/filament combinations . . . . .	547	21,282	585	21,352
2211C 35	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221C 39	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	Sateens . . . . .	683	28,898	749	23,825
2211D 05	More than 50 percent cotton . . . . .	225	11,458	176	10,639
2221F 05	Chiefly spun polyester mixed with cotton . . . . .	159	4,181	153	4,298
2221F 08	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
2221F 07	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations . . . . .	170	8,718	280	6,782
2211D 07	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 05	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	Oxfords . . . . .	1,428	82,486	1,639	57,008
2211D 11	More than 50 percent cotton . . . . .	823	35,858	960	34,769
2221F 11	Chiefly spun polyester mixed with cotton . . . . .	203	8,271	308	5,940
2221F 17	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations . . . . .	148	8,244	157	5,907
2211D 13	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 68	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211D 31	Birdseye diaper cloth . . . . .	(D)	(D)	(D)	(D)
2211D 35	Huck and crash toweling . . . . .	(D)	(D)	(D)	(D)
	Table damask . . . . .	355	15,591	359	18,207
2211D 45	More than 50 percent cotton . . . . .	(D)	(D)	(D)	(D)
2221F 32	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
2221F 37	All other fabrics, 85 percent or more spun yarn . . . . .	-	-	-	-
2221G 82	Spun/filament combinations . . . . .	-	-	-	-
2211D 07	Chiefly cotton . . . . .	-	-	-	-
2221G 82	Chiefly manmade . . . . .	-	-	-	-
	Jacquard and dobby shirting fabrics . . . . .	752	12,085	433	10,930
2211D 51	More than 50 percent cotton . . . . .	137	5,284	82	4,671
2221F 41	Chiefly spun polyester mixed with cotton . . . . .	114	1,733	199	1,734
2221F 43	All other fabric, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2211D 53	Chiefly cotton . . . . .	-	-	(D)	(D)
2221G 84	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	All other weaves . . . . .	5,538	151,829	5,950	156,548
	More than 50 percent cotton . . . . .	1,355	36,729	1,594	39,825
2211D 62	Weighing 5.9 ounces or less per square yard . . . . .	306	12,382	350	13,873
2211D 84	Weighing more than 5.9 ounces per square yard . . . . .	1,049	24,347	1,244	25,952
2221F 52	85 percent or more spun polyester . . . . .	278	5,699	259	5,569
	Chiefly spun polyester mixed with cotton . . . . .	592	12,039	644	12,188
2221F 54	Weighing 5.0 ounces or less per square yard . . . . .	180	5,812	179	6,126
2221F 58	Weighing more than 5.0 ounces per square yard . . . . .	412	6,227	465	6,062
2221F 58	All other fabrics, 85 percent or more spun yarn . . . . .	1,096	24,342	949	22,786
	Spun/filament combinations . . . . .	2,217	73,020	2,504	76,180
2211D 66	Chiefly cotton . . . . .	63	1,937	83	3,174
2221G 87	Chiefly manmade . . . . .	2,154	71,083	2,421	73,006

- Represents zero.

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Revised by 5 percent or more from previously published figures.



**Table 5. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE FILAMENT YARN FABRICS**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1992		Second quarter 1992	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	85 percent or more filament yarn fabrics .....	22,030	1,423,444	22,635	1,424,420
	High tenacity yarn fabrics .....	949	30,051	'953	32,656
2221B 02	100 percent and chiefly rayon .....	522	5,343	500	4,641
2221C 02	100 percent and chiefly nylon .....	215	12,047	'222	'12,539
2221C 04	100 percent and chiefly polyester .....	212	12,661	'231	15,476
2221C 07	85 percent more filament yarn fabric obtained from strip or the like except rayon and/or acetate .....	(D)	(D)	(D)	(D)
	85 percent or more filament rayon, acetate and/or triacetate filament yarn fabrics .....	4,470	137,851	4,790	156,388
	Weighing not more than 5 ounces per square yard ...	4,043	125,117	4,357	142,847
2221B 11	Plain weave .....	2,793	85,856	3,012	98,057
2221B 13	Other weaves .....	1,250	39,261	1,345	44,790
	Weighing more than 5 ounces per square yard .....	427	12,734	433	13,541
2221B 15	Plain weave .....	(D)	(D)	(D)	(D)
2221B 17	Other weaves .....	(D)	(D)	(D)	(D)
	Other chiefly rayon and/or acetate filament yarn fabrics ..	1,375	45,475	1,497	'44,057
2221B 32	Weighing not more than 5 ounces per square yard ...	823	30,651	990	'33,027
2221B 35	Weighing more than 5 ounces per square yard .....	552	14,824	507	'11,030
	85 percent or more nylon filament yarn fabrics .....	3,319	122,940	3,483	130,194
2221C 11	Typewriter and other impression fabrics .....	624	25,940	765	28,295
	Other 85 percent or more nylon filament yarn fabrics ..	2,695	97,000	2,718	101,899
	Weighing not more than 5 ounces per square yard ..	2,419	83,634	2,409	85,658
2221C 14	Flat, non-textured .....	2,066	69,044	2,088	71,995
2221C 16	All other .....	353	14,590	321	13,663
	Weighing more than 5 ounces per square yard ....	276	13,366	309	16,241
2221C 22	Flat, non-textured .....	202	6,302	197	6,219
2221C 24	All other .....	74	7,064	112	10,022
	Other chiefly nylon filament fabrics .....	(D)	(D)	(D)	(D)
2221C 32	Weighing not more than 5 ounces per square yard ...	(D)	(D)	(D)	(D)
2221C 34	Weighing more than 5 ounces per square yard .....	(D)	(D)	(D)	(D)
	85 percent or more polyester filament yarn fabrics .....	5,851	189,436	5,697	186,673
2221C 42	Textured .....	4,059	131,029	4,055	135,256
	Weighing not more than 5 ounces per square yard <sup>1</sup> .....	2,385	70,998	2,254	69,886
2221C 44	Flat .....	(D)	(D)	(D)	(D)
2221C 45	Other .....	(D)	(D)	(D)	(D)
	Weighing more than 5 ounces per square yard <sup>1</sup> ....	1,674	60,031	1,801	65,370
2221C 50	Non-textured .....	1,792	58,407	1,642	51,417
	Weighing not more than 5 ounces per square yard <sup>1</sup> .....	1,137	32,075	873	26,528
2221C 55	Weighing more than 5 ounces per square yard <sup>1</sup> ....	655	26,332	769	24,889
2221C 62	Other chiefly polyester filament fabrics .....	220	3,725	252	3,609
	Glass fiber fabrics .....	2,378	88,009	2,475	100,448
2221C 72	Woven roving and screening .....	115	11,827	115	13,678
2221C 74	All other glass fiber fabrics .....	2,263	76,182	2,360	86,770
	All other 85 percent or more filament yarn fabrics, including saran and olefin .....	3,225	802,889	3,217	766,764
	Carpet backing .....	2,696	737,766	2,689	704,960
2221C 80	Woven synthetic (including olefin) .....	(D)	(D)	(D)	(D)
2221C 83	Jute and other backing .....	(D)	(D)	(D)	(D)
2221C 84	All other .....	529	65,123	528	61,804

(D) Data withheld to avoid disclosing figures for individual companies.

'Revised by 5 percent or more from previously published figures.

<sup>1</sup>Classified on a finished weight basis.



**Table 6. PRODUCTION AND LOOM ASSIGNMENT OF PILE FABRICS (INCLUDES YARN DYED FABRIC)**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1992		Second quarter 1992	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Pile fabrics .....	5,319	122,968	5,508	142,993
	Corduroy .....	462	7,242	614	16,755
	More than 50 percent cotton .....	462	7,242	614	16,755
2211E 01	Finewales and pinwales .....	274	3,582	428	10,855
2211E 03	Midwales .....	(D)	(D)	(D)	(D)
2211E 06	Widewales and other .....	(D)	(D)	(D)	(D)
2221H 01	Chiefly manmade fiber .....	-	-	-	-
	Velvets, plushes, and other pile fabrics .....	717	13,093	750	14,891
2211E 21	More than 50 percent cotton .....	(D)	(D)	(D)	(D)
2221H 11	Chiefly manmade fiber .....	(D)	(D)	(D)	(D)
	Terry cloth and terry toweling .....	4,140	102,631	4,144	111,347
2211E 32	Terry toweling .....	3,980	98,984	3,976	108,339
2211E 34	Terry cloth .....	160	3,647	168	3,008

- Represents zero.

(D) Data withheld to avoid disclosing figures for individual companies.

\*Revised by 5 percent or more from previously published figures.

**Table 7. PRODUCTION AND LOOM ASSIGNMENT OF WOOLEN AND WORSTED FABRICS, INCLUDING CHIEFLY MANMADE/WOOL BLENDS AND CHIEFLY COTTON/WOOL BLENDS**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1992		Second quarter 1992	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Woolen and worsted fabrics, 36 percent or more wool (except felts) .....	1,876	44,410	2,012	47,199
	Apparel fabrics, including government orders .....	1,772	41,374	1,887	45,455
	Worsted fabrics .....	1,098	24,903	1,173	27,671
22312 01	Weighing not more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
22312 02	Weighing more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
	Woolen fabrics .....	674	16,471	714	17,784
22312 21	Weighing not more than 9 ounces per square yard .....	(D)	(D)	(D)	(D)
22312 23	Weighing more than 9 ounces per square yard .....	(D)	(D)	(D)	(D)
	Nonapparel fabrics, including government orders (except felts) ..	104	3,036	125	1,744
22312 62	Blanketing, including thermal .....	(D)	(D)	(D)	(D)
22312 61	Upholstery fabric .....	(D)	(D)	(D)	(D)
22312 85	All other fabrics .....	53	661	55	686
22312 92	Woven felts (thousands of pounds) .....	117	975	110	1,093
	Chiefly manmade/wool blend and chiefly cotton/wool blend fabrics .....	(D)	(D)	(D)	(D)
	Chiefly spun polyester mixed mainly or solely with wool .....	(D)	(D)	(D)	(D)
2221H 21	Woolen .....	(D)	(D)	(D)	(D)
	Worsted .....	(D)	(D)	(D)	(D)
2221H 25	Weighing not more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
2221H 27	Weighing more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
2221H 32	All other chiefly spun fibers mixed mainly or solely with wool. .	(D)	(D)	(D)	(D)
	Chiefly filament polyester mixed mainly or solely with wool or spun polyester/wool blends (less than 36 percent wool) .....	(D)	(D)	(D)	(D)
2221H 51	Woolen .....	(D)	(D)	(D)	(D)
	Worsted .....	(D)	(D)	(D)	(D)
2221H 53	Weighing not more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
2221H 55	Weighing more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)
2221H 63	All other chiefly filament yarn mixed mainly or solely with wool.	(D)	(D)	(D)	(D)

(D) Data withheld to avoid disclosing figures for individual companies.

\*Revised by 5 percent or more from previously published figures.

\*Includes fabrics 36 percent or more wool or reprocessed wool by weight. 1986 and prior years include fabrics 50 percent or more wool or reprocessed wool by weight.



**Table 8. PRODUCTION AND LOOM ASSIGNMENT OF UPHOLSTERY FABRICS**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Third quarter 1992		Second quarter 1992	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Upholstery fabrics . . . . .	3,716	91,972	3,821	99,679
	85 percent or more spun yarn and spun filament combinations . .	3,068	71,790	3,161	79,050
	Pile woven . . . . .	653	13,780	674	15,708
2211E 41	All cotton and chiefly cotton . . . . .	24	182	23	162
2221H 41	All manmade and chiefly manmade . . . . .	629	13,598	651	15,546
	Flat woven . . . . .	2,415	58,010	2,487	63,342
2211X 01	All cotton and chiefly cotton . . . . .	748	16,594	792	20,154
	All manmade and chiefly manmade . . . . .	1,669	41,416	1,695	43,188
2221X 01	Olefin . . . . .	342	9,237	340	10,128
2221X 03	All other flat woven manmade fiber fabrics . . . . .	1,327	32,179	1,355	33,060
	85 percent or more filament yarn . . . . .	648	20,182	660	20,629
2221X 01	All polyester and chiefly polyester . . . . .	341	8,336	341	8,429
2221X 03	All nylon and chiefly nylon . . . . .	(D)	(D)	(D)	(D)
2221X 05	All olefin and chiefly olefin . . . . .	307	11,846	319	12,200
2221X 07	All other filament fiber fabrics . . . . .	(D)	(D)	(D)	(D)

(D) Data withheld to avoid disclosing figures for individual companies.

†Revised by 5 percent or more from previously published figures.

**Table 9. PRODUCTION OF TIRE CORD AND TIRE CORD FABRICS**

(Thousands of pounds)

Product code	Product description	Production during quarter	
		Third quarter 1992	Second quarter 1992
22960 00	Tire cord and tire cord fabrics . . . . .	190,275	192,680
22960 12	Cotton tire cord and tire cord fabrics . . . . .	-	-
22960 32	Rayon tire cord and tire cord fabrics . . . . .	462	434
22960 35	Nylon tire cord and tire cord fabrics . . . . .	37,732	39,394
22960 37	Polyester tire cord and tire cord fabrics . . . . .	48,953	50,973
22960 38	Glass tire cord and tire cord fabrics . . . . .	308	330
22960 45	Steel tire cord . . . . .	99,011	97,731
22960 49	All other tire cord and tire cord fabrics including chafer . . . . .	3,809	3,818

- Represents zero.

†Revised by 5 percent or more from previously published figures.

**Table 10. LOOMS IN PLACE AND LOOM HOURS OPERATED IN BROADWOVEN FABRIC MILLS**

Product description	Third quarter 1992		Second quarter 1992	
	Looms in place (number)	Thousands of loom hours operated	Looms in place (number)	Thousands of loom hours operated
Total . . . . .	96,090	170,064	97,787	175,334
Shuttle type looms . . . . .	31,010	50,027	31,418	52,655
Single shuttle cam looms . . . . .	21,736	34,835	21,739	36,884
Single shuttle dobby looms . . . . .	5,364	9,155	5,592	10,466
Multiple shuttle box or head motion looms . . . . .	2,436	3,879	2,603	3,263
Double shuttle pile and plush, and jacquard looms . . . . .	1,474	2,158	1,484	2,042
Shuttleless looms and weaving machines . . . . .	65,080	120,037	66,369	122,679
Single filling insertion capability . . . . .	38,868	75,205	39,278	77,203
Air jet looms . . . . .	15,564	30,915	15,606	31,190
Water jet looms . . . . .	6,027	11,427	6,046	11,700
Projectile looms . . . . .	12,390	24,156	12,600	24,738
Rapier looms . . . . .	4,887	8,707	5,026	9,575
Multiple filling insertion capability . . . . .	25,506	43,671	26,301	44,320
Air jet looms . . . . .	(D)	(D)	(D)	(D)
Water jet looms . . . . .	(D)	(D)	(D)	(D)
Projectile looms . . . . .	10,436	18,120	10,716	19,393
Rapier looms . . . . .	11,796	18,988	12,024	18,429
Pile and plush looms . . . . .	706	1,161	790	1,156

(D) Data withheld to avoid disclosing figures for individual companies.

†Revised by 5 percent or more from previously published figures.



**Table 11. PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF BROADWOVEN FABRICS:  
SECOND QUARTER 1992**

(Quantity in thousands of square yards; value in thousands of dollars)

Product description	Manufacturers' shipments <sup>1</sup> (quantity)	Imports for consumption <sup>2</sup>		Percent imports to manufacturers' shipments (quantity)	Exports of domestic merchandise <sup>4</sup>		Percent exports to manufacturers' shipments (quantity)	Apparent consumption <sup>5</sup>				
		Quantity	Value <sup>3</sup>		Quantity	Value						
Cotton fabrics <sup>a</sup> . . . . .	944,994	404,971	423,827	42.9	(NA)	(NA)	(NA)	(NA)				
Cheesecloth and batistes . . . . .	(D)	9,394	6,380	(D)	7,627	13,930	(D)	(D)				
Print cloth . . . . .	85,787	81,778	51,573	95.3	962	1,836	1.1	166,60				
Poplin and broadcloth . . . . .	11,392	63,252	58,216	555.2	4,742	9,746	41.6	69,90				
Weighing 5.9 ounces or less per square yard . . . . .	8,473	62,952	54,826	742.9	2,486	6,237	29.3	68,93				
Weighing more than 5.9 ounces per square yard . . . . .	2,919	300	1,390	10.3	2,256	3,509	77.3	96				
Duck, including tape warp . . . . .	(D)	22,325	18,866	(D)	3,350	7,247	(D)	(D)				
Sheeting . . . . .	147,625	99,971	72,178	67.7	4,194	9,352	2.8	243,40				
Twills and sateens . . . . .	116,603	59,134	76,418	50.7	5,295	10,518	4.5	170,44				
Oxfords . . . . .	14,609	2,593	6,525	17.7	(NA)	(NA)	(NA)	(NA)				
All other constructions . . . . .	40,867	15,009	19,297	38.7	(NA)	(NA)	0.0	55,87				
Blue Denim . . . . .	(D)	26,659	49,234	(D)	14,551	35,918	(D)	(D)				
Yarn dyed fabric . . . . .	77,239	22,308	57,649	28.9	7,439	13,101	9.6	92,10				
Pile fabrics, including yarn dyed . . . . .	92,316	2,551	9,491	2.8	1,151	3,701	1.2	93,71				
Manmade fiber fabrics . . . . .	2,365,025	184,380	394,712	7.8	70,876	171,398	3.0	2,478,72				
85% or more filament yarn fabrics . . . . .	1,190,171	69,035	125,880	5.8	37,578	87,677	3.2	1,221,62				
Nylon and polyester high tenacity fabric . . . . .	20,659	2,329	7,239	11.3	8,058	15,878	39.0	14,93				
Rayon high tenacity fabric . . . . .	4,467	94	269	2.1	1,425	3,910	31.9	3,13				
Typewriter fabric . . . . .	21,689	-	-	-	(NA)	(NA)	(NA)	(NA)				
Rayon or acetate filament yarn fabrics . . . . .	153,283	4,134	9,436	2.7	2,599	5,649	1.7	154,8				
Polyester filament yarn fabric . . . . .	161,506	45,419	88,617	28.1	12,340	20,181	7.6	194,58				
Glass fiber fabric . . . . .	73,586	8,029	10,197	10.9	(NA)	(NA)	(NA)	(NA)				
Nylon filament yarn fabric . . . . .	83,669	8,371	10,223	10.0	3,409	11,756	4.1	88,6				
All other filament yarn fabric . . . . .	671,312	658	1,899	0.1	9,747	30,303	1.5	662,2				
85 percent or more spun yarn fabric . . . . .	864,077	80,804	110,784	9.4	21,650	53,224	2.5	923,2				
Cheesecloth and batistes . . . . .	40,167	4,272	2,872	10.6	19,647	43,684	(NA)	(N				
Poplin broadcloth . . . . .	113,235	18,033	16,210	14.2								
Polyester/cotton . . . . .	103,135	15,190	12,087	14.7								
Weighing 5.0 ounces or less per square yard . . . . .	91,813	14,849	11,508	16.2								
Weighing more than 5.0 ounces per square yard . . . . .	11,322	341	579	3.0								
All other spun yarns . . . . .	10,100	843	3,123	8.3								
Print cloth . . . . .	147,932	17,154	9,574	11.6								
Polyester/cotton . . . . .	125,164	12,890	7,058	10.3								
All other spun yarns . . . . .	22,768	4,264	2,516	18.7								
Duck . . . . .	4,110	77	372	1.9								
Sheeting . . . . .	364,288	5,913	5,200	1.8								
Polyester/cotton . . . . .	326,452	5,089	3,294	1.6								
Weighing 5.0 ounces or less per square yard . . . . .	317,831	5,089	3,294	59.0								
Weighing more than 5.0 ounces per per square yard . . . . .	8,620											
All other spun yarn . . . . .	37,836	824	1,906	2.2								
Sateens or twills . . . . .	94,124	19,876	24,027	21.1								
Oxford . . . . .	11,078	144	208	1.3								
All other spun manmade fiber fabrics . . . . .	34,544	3,212	9,650	9.3								
Yarn dyed fabric . . . . .	44,101	11,139	29,191	25.3								
Pile fabrics . . . . .	10,498	2,986	14,480	28.4								
Spun/filament yarn combinations, including yarn dyed . . . . .	276,319	20,486	55,460	7.4	10,842	25,826	3.9	285,9				
Chiefly manmade/wool blends . . . . .	17,229	7,266	25,427	42.2	(NA)	(NA)	(NA)	(N				
Silk fabrics . . . . .	164	6,788	77,161	4,142.3	606	4,671	369.9	6,2				
Wool fabrics . . . . .	37,132	6,547	66,641	17.6	1,709	9,059	4.6	41,9				
Chiefly cotton fabrics blended with wool and other vegetable fibers and other vegetable fiber fabrics . . . . .	(D)	43	522	(D)	(NA)	(NA)	(NA)	(P				

Note: Fabric blends as shown in Current Industrial Reports Series MQ22T are reported based on the chief weight of the fiber whereas fabric blends as shown for imports and exports are based on the chief value of the fiber.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. (NA) Not available.

<sup>1</sup>Represents production of gray broadwoven fabrics; import and export data represent gray as well as finished broadwoven fabrics. For a comparison of Standard Industrial Classification (SIC) based product codes with Schedule B export numbers and HTSUSA import numbers, see table 12 in the first quarter 1992 report for this series, MQ22T(92)-1, issued August 1992. <sup>2</sup>Source: Bureau of the Census Report IM 145, *U.S. Imports for Consumption*. <sup>3</sup>This dollar value represents the c.i.f. (cost, insurance and freight) at the first port of entry in the United States plus calculated import duty. <sup>4</sup>Source: Bureau of the Census Report EM 545, *U.S. Exports*. <sup>5</sup>Apparent consumption represents new domestic supply and is derived by subtracting exports from the total manufacturers' shipments plus imports. <sup>6</sup>Includes all cotton and chiefly cotton mixtures with manmade fiber.



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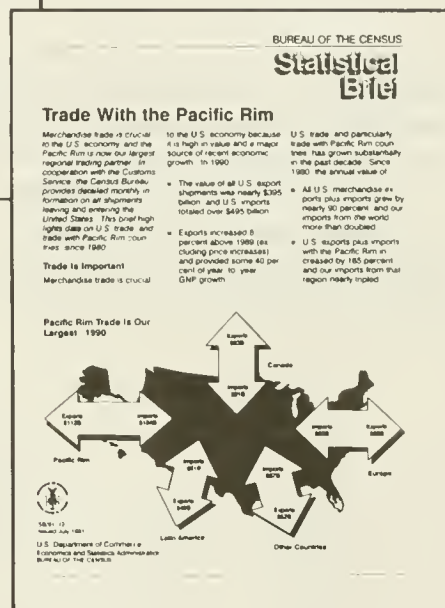
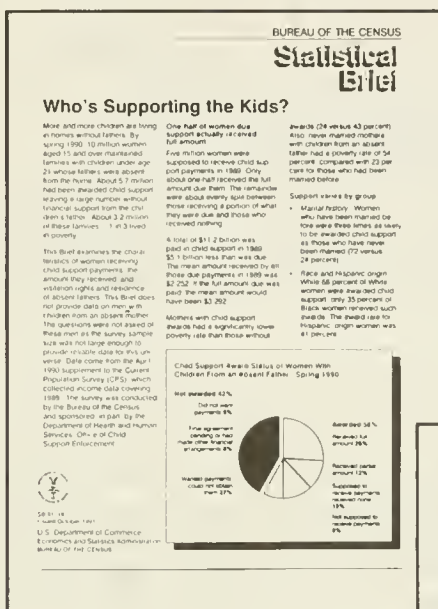
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U.S. Department of Commerce  
Economics and Statistics Administration  
BUREAU OF THE CENSUS

# Broadwoven Fabrics (Gray)

JUL 23 1993

FOURTH QUARTER 1992

MQ22T(92)-4  
Issued March 1993

The statistics in this publication are based on a survey of manufacturers and represent total U.S. production of broadwoven fabrics over 12 inches. Estimates are included for companies whose reports were not received in time

for tabulation. A description of the survey methodology and related information appears in the first quarter report for this series, MQ22T(92)-1, issued August 1992.

## IMPORTANT NOTICE

In an effort to reduce costs and provide more timely data, beginning with the first quarter 1993 issue, this publication will only be available quarterly through an electronic bulletin board. Access to the bulletin board is free. Instructions for accessing the bulletin board appear on the last page of this publication. Printed data tables will be available at the end of each data year through a new, annual compendium publication. If you have any questions regarding this new publication procedure, please contact the analyst listed below.

This report is also still available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. The CENDATA report for first quarter 1993 will be released on or about May 28, 1993. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call 301-763-4100.

Table 1. SUMMARY OF PRODUCTION OF BROADWOVEN GRAY FABRICS, BY TYPE OF FABRIC: 1987 TO 1992  
(Millions of square yards)

Year	Chiefly cotton fabrics	Manmade fiber fabrics, including silk and manmade/wool blends	Chiefly wool fabric	Tire cord and tire cord fabrics
<b>1992</b>				
Fourth quarter .....	1,144.3	2,883.9	39.5	189.6
Third quarter .....	1,130.2	2,826.3	43.9	190.3
Second quarter .....	1,172.4	2,837.2	47.2	192.3
First quarter .....	1,144.3	2,759.1	45.6	191.3
<b>1991</b>				
Fourth quarter .....	1,093.3	2,751.1	41.5	186.2
Third quarter .....	1,081.6	2,644.7	41.4	175.1
Second quarter .....	1,147.9	2,675.6	48.7	180.8
First quarter .....	1,080.7	2,543.2	38.0	178.6
<b>1990</b>				
Fourth quarter .....	1,048.0	2,700.2	31.4	177.8
Third quarter .....	1,087.3	2,585.9	32.6	172.5
Second quarter .....	1,126.6	2,664.2	38.7	183.3
First quarter .....	1,201.5	2,712.2	38.0	184.7
<b>1989</b>				
Fourth quarter .....	1,105.8	2,714.6	37.0	161.4
Third quarter .....	1,134.3	2,670.0	40.1	172.0
Second quarter .....	1,191.8	2,782.2	50.9	179.3
First quarter .....	1,157.2	2,796.0	48.3	175.7
<b>1988</b>				
Fourth quarter .....	1,052.3	2,847.7	43.9	168.9
Third quarter .....	1,072.2	2,735.6	43.0	169.5
Second quarter .....	1,255.0	2,877.6	53.0	157.7
First quarter .....	1,252.1	2,908.8	50.6	153.8
<b>1987</b>				
Fourth quarter .....	1,178.2	2,945.9	40.9	126.8
Third quarter .....	1,219.1	2,787.7	36.0	122.1

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Keith Featherstone 301-763-2553.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.



Table 2. SUMMARY OF PRODUCTION AND LOOM ASSIGNMENTS OF BROADWOVEN GRAY FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1992		Third quarter 1992		Production, year-to-date (M sq. yards)
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)	
	Cotton and chiefly cotton fabrics mixed mainly or solely with manmade fibers .....	27,129	1,144,293	29,048	1,130,154	4,591,142
2211B 00	Plain weaves .....	12,143	537,067	13,939	543,135	2,193,877
2211C 00	Twill weaves .....	7,281	374,413	7,262	360,227	1,457,444
2211D 00	All other weaves except pile .....	3,109	121,963	3,211	116,382	469,498
2211E 00	Pile fabrics .....	4,596	110,850	4,636	110,410	470,323
	Chiefly cotton fabrics mixed mainly or solely with other than manmade fibers .....	(D)	(D)	(D)	(D)	(D)
	Manmade fiber and silk gray broadwoven fabrics .....	55,971	2,883,892	57,744	2,826,300	11,357,032
2221B 00	85 percent or more filament rayon and/or acetate fabrics .....	5,701	176,370	6,484	195,974	770,587
2221C 00	85 percent or more filament fabrics, except rayon and/or acetate .....	15,292	1,325,705	15,699	1,240,575	5,017,357
	85 percent or more spun yarn fabrics, except wool blends .....	27,354	1,037,664	27,549	1,025,182	4,148,176
2221D 00	Plain weave, except pile .....	20,934	826,762	20,925	822,261	3,344,101
2221E 00	Twill weave, except pile .....	2,842	109,772	3,057	112,030	448,330
2221F 00	All other weaves, except pile .....	3,578	101,130	3,567	90,891	355,745
2221G 00	Spun/filament yarn combinations .....	(D)	(D)	(D)	(D)	(D)
2221H 10	Pile fabrics .....	640	11,514	686	12,556	50,610
2221H 2X	All other chiefly manmade fiber fabrics, including chiefly manmade fiber blends with wool .....	(D)	(D)	(D)	(D)	(D)
2221H 01	Silk fabrics .....	68	195	69	196	979
	Woolen and worsted fabrics .....	1,778	39,516	1,898	43,910	176,285

(D) Data withheld to avoid disclosing figures for individual companies.

\*Revised by 5 percent or more from previously published figures.

Table 3. SUMMARY OF PRODUCTION OF BROADWOVEN FABRIC BY TEXTILE CATEGORY

(Thousands of square yards)

Product description	Production during quarter		Production year-to-date
	Fourth quarter 1992	Third quarter 1992	
Blue denim .....	211,106	189,369	781,948
All other yarn dyed fabric .....	133,842	144,759	552,287
Plain weave .....	25,824	33,204	114,817
Twill weave .....	36,059	43,722	164,722
All other weave .....	71,959	67,833	272,748
Cheesecloth and batistes .....	267,583	280,457	1,148,621
Duck .....	(D)	(D)	(D)
Oxfords .....	31,547	30,721	107,237
Pile fabrics .....	122,364	122,966	520,933
Special weave fabric .....	101,576	90,133	374,559
Other fabrics, chiefly cotton fiber:			
Print cloth .....	98,731	102,601	421,305
Poplin and broadcloth .....	13,364	13,625	52,642
Sheeting .....	183,077	176,559	690,305
Twills .....	128,441	127,787	514,349
Sateens .....	11,629	11,670	43,194
Other fabrics, chiefly manmade fiber:			
Manmade/wool blends .....	(D)	(D)	(D)
85 percent or more filament yarn fabrics:			
Typewriter .....	22,444	25,940	105,396
Other nylon .....	100,892	112,081	442,754
Rayon and acetate .....	176,370	195,974	770,587
Polyester .....	188,726	205,824	786,830
Glass fiber .....	80,344	88,293	360,859
All other .....	934,111	808,954	3,323,972
85 percent or more spun yarn fabrics:			
Print cloth .....	180,770	176,927	708,342
Poplin and broadcloth .....	149,837	135,429	570,832
Sheeting .....	432,119	435,688	1,785,856
Twills and sateens .....	115,403	117,914	473,272
Spun filament combinations except blue denim:			
Print cloth .....	98,698	99,949	400,891
Poplin and broadcloth .....	77,037	84,067	306,067
Sheeting .....	27,069	29,100	127,177
Twills and sateens .....	28,690	29,719	112,594
Other .....	83,467	86,646	342,233
Wool fabrics .....	39,516	43,910	176,285
Silk fabrics .....	195	196	979

(D) Data withheld to avoid disclosing figures for individual companies.



**Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1992		Third quarter 1992	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
2211B 02	Tobacco, cheese, and bandage cloth . . . . .	3,420	274,308	3,212	286,493
2221D 03	More than 50 percent cotton . . . . .	2,644	222,537	2,678	231,882
2221D 04	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
2221D 05	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
2211B 05	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
2221G 04	Spun-filament combinations . . . . .	(D)	(D)	(D)	(D)
2211B 05	Chiefly cotton . . . . .	-	-	-	-
2221G 04	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211B 12	Print cloth . . . . .	11,514	378,203	12,953	379,491
2221D 13	More than 50 percent cotton . . . . .	4,322	98,735	5,714	102,615
2221D 15	Chiefly spun polyester mixed with cotton . . . . .	4,994	158,593	4,870	149,696
2221D 16	Chiefly spun polyester mixed with rayon . . . . .	(D)	(D)	(D)	(D)
2221D 16	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
2221D 18	All other fabrics, 85 percent or more spun yarn . . . . .	569	17,533	618	19,537
2211B 14	Spun/filament combinations . . . . .	1,511	98,698	1,546	99,949
2221G 07	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 07	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211B 21	Poplin and broadcloth . . . . .	6,253	259,500	6,755	258,579
2211B 25	More than 50 percent cotton . . . . .	264	14,535	411	15,225
2211B 30	Weighing 5.9 ounces or less per square yard . . . . .	211	9,223	337	10,716
2221D 23	Carded . . . . .	88	2,745	165	3,972
2221D 25	Combed . . . . .	123	6,478	172	6,744
2221D 27	Weighing more than 5.9 ounces per square yard . . . . .	53	5,312	74	4,509
2221D 31	Chiefly spun polyester mixed with cotton . . . . .	3,687	145,064	4,295	143,728
2221D 33	Weighing 5.0 ounces or less per square yard . . . . .	3,437	131,487	3,991	130,129
2221D 34	Carded . . . . .	2,532	91,493	3,316	90,079
2221D 34	Combed . . . . .	901	39,994	675	40,050
2221D 34	Weighing more than 5.0 ounces per square yard . . . . .	254	13,577	304	13,599
2221D 34	Carded . . . . .	(D)	(D)	(D)	(D)
2221D 34	Combed . . . . .	(D)	(D)	(D)	(D)
2221D 34	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
2221D 34	All other fabrics, 85 percent or more spun yarn . . . . .	448	11,775	353	8,887
2211B 35	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2221G 19	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 19	Chiefly manmade . . . . .	1,276	77,037	1,339	84,067
2211B 41	Lawns, voiles, and batistes . . . . .	109	1,479	113	981
2221D 41	More than 50 percent cotton . . . . .	(D)	(D)	(D)	(D)
2221D 42	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
2221D 42	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
2221D 42	All other fabrics, 85 percent or more spun yarn . . . . .	-	-	-	-
2211B 43	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2221G 28	Chiefly cotton . . . . .	-	-	-	-
2221G 28	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211B 71	Duck, including taped warp duck . . . . .	624	20,617	579	15,158
2221D 89	More than 50 percent cotton . . . . .	246	9,582	241	8,175
2221D 91	Chiefly spun polyester mixed with cotton . . . . .	133	2,327	132	2,091
2221D 91	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
2211B 75	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2221B 77	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221B 77	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211B 45	Bedsheeting . . . . .	11,052	476,633	11,029	475,853
2221D 43	More than 50 percent cotton . . . . .	2,618	100,875	2,760	104,975
2221D 45	Chiefly spun polyester mixed with cotton . . . . .	7,566	327,744	7,389	321,669
2221D 46	Carded . . . . .	1,757	107,612	1,742	108,263
2221D 47	Combed . . . . .	5,809	220,132	5,647	213,406
2221D 47	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
2221D 47	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
2211B 47	Spun/filament combinations . . . . .	(D)	(D)	(D)	(D)
2221G 33	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 33	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211B 61	All other sheeting, including osnaburgs . . . . .	3,607	168,303	3,786	168,338
2221D 61	More than 50 percent cotton . . . . .	1,391	60,933	1,466	52,023
2221D 63	Weighing 5.9 ounces or less per square yard . . . . .	1,061	40,809	1,060	34,930
2221D 65	Weighing more than 5.9 ounces per square yard . . . . .	330	20,124	406	17,093
2221D 65	Blanketing . . . . .	221	14,141	225	11,000
2221D 65	All other fabric . . . . .	109	5,983	181	6,093
2221D 63	85 percent or more spun polyester . . . . .	162	6,464	153	5,800
2221D 65	Blanketing . . . . .	(D)	(D)	(D)	(D)
2221D 65	All other fabric . . . . .	(D)	(D)	(D)	(D)
2221D 73	Chiefly spun polyester mixed with cotton . . . . .	1,355	60,829	1,393	70,709
2221D 75	Weighing 5.0 ounces or less per square yard . . . . .	1,133	51,472	1,141	60,359
2221D 81	Weighing more than 5.0 ounces per square yard . . . . .	222	9,357	252	10,350
2221D 83	Chiefly spun acrylic . . . . .	133	10,883	189	10,909
2221D 83	Blanketing . . . . .	(D)	(D)	(D)	(D)
2221D 83	All other fabric . . . . .	(D)	(D)	(D)	(D)
2221D 84	Chiefly spun rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)
2221D 85	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)

See footnotes at end of table.



**Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS—Continued**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1992		Third quarter 1992	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	All other sheeting—Cont.				
2211B 67	Spun/filament combinations. . . . .	(D)	(D)	(D)	(D)
2221G 45	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	Blue denim. . . . .	3,452	211,106	3,486	189,369
	More than 50 percent cotton . . . . .	3,333	204,753	3,363	183,478
2211C 01	Weighing 10.7 ounces or less per square yard. . . . .	401	24,042	332	18,947
2211C 03	Weighing more than 10.7 ounces per square yard. . . . .	2,932	180,711	3,031	164,531
2221E 03	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations. . . . .	(D)	(D)	(D)	(D)
2211G 05	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 46	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	All other denim. . . . .	873	43,079	832	51,994
	More than 50 percent cotton . . . . .	851	41,738	802	50,153
2211C 11	Weighing 10.7 ounces or less per square yard. . . . .	95	5,691	150	5,583
2211C 13	Weighing more than 10.7 ounces per square yard. . . . .	756	36,047	652	44,570
2221E 13	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
	Spun filament combinations. . . . .	(D)	(D)	(D)	(D)
2211C 15	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221C 18	Chiefly manmade . . . . .	-	-	-	-
2211C 21	Canton flannels. . . . .	413	4,999	388	5,004
	All other twill weaves. . . . .	5,998	250,113	6,189	248,870
	More than 50 percent cotton . . . . .	2,571	117,107	2,590	115,702
2211C 31	Weighing 5.9 ounces or less per square yards. . . . .	1,004	25,392	950	28,200
2211C 33	Weighing more than 5.9 ounces per square yard. . . . .	1,567	91,715	1,640	87,502
2221E 21	85 percent or more spun polyester . . . . .	(D)	(D)	(D)	(D)
	Chiefly spun polyester mixed with cotton . . . . .	2,076	83,863	2,082	76,807
2221E 23	Weighing 5.0 ounces or less per square yard . . . . .	757	30,832	570	11,854
2221E 25	Weighing more than 5.0 ounces per square yard. . . . .	1,319	53,031	1,512	64,953
2221E 26	Chiefly spun rayon and/or acetate. . . . .	(D)	(D)	(D)	(D)
2221E 27	All other fabrics, 85 percent or more spun yarn . . . . .	357	12,225	576	17,307
	Spun/filament combinations. . . . .	587	23,302	547	21,262
2211C 35	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221C 39	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	Sateens . . . . .	670	23,328	688	26,696
2211D 05	More than 50 percent cotton . . . . .	198	11,615	225	11,458
2221F 05	Chiefly spun polyester mixed with cotton . . . . .	143	4,103	159	4,161
2221F 06	Chiefly spun rayon and/or acetate. . . . .	(D)	(D)	(D)	(D)
2221F 07	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations. . . . .	218	5,851	170	8,716
2211D 07	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 05	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	Oxfords . . . . .	1,432	61,755	1,431	62,466
2211D 11	More than 50 percent cotton . . . . .	766	36,428	825	35,858
2221F 11	Chiefly spun polyester mixed with cotton . . . . .	203	5,032	204	6,271
2221F 17	All other fabrics, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations. . . . .	212	6,485	148	6,244
2211D 13	Chiefly cotton . . . . .	(D)	(D)	(D)	(D)
2221G 68	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
2211D 31	Birdseye diaper cloth. . . . .	(D)	(D)	(D)	(D)
2211D 35	Huck and cresh toweling . . . . .	(D)	(D)	(D)	(D)
	Table damask . . . . .	394	19,783	355	15,591
2211D 45	More than 50 percent cotton . . . . .	(D)	(D)	(D)	(D)
2221F 32	Chiefly spun polyester mixed with cotton . . . . .	(D)	(D)	(D)	(D)
2221F 37	All other fabrics, 85 percent or more spun yarn . . . . .	-	-	-	-
2221G 82	Spun/filament combinations. . . . .	-	-	-	-
2211D 07	Chiefly cotton . . . . .	-	-	-	-
2221G 82	Chiefly manmade . . . . .	-	-	-	-
	Jacquard and dobby shirting fabrics. . . . .	673	16,581	752	12,085
2211D 51	More than 50 percent cotton . . . . .	149	6,346	137	5,284
2221F 41	Chiefly spun polyester mixed with cotton . . . . .	107	2,074	114	1,733
2221F 43	All other fabric, 85 percent or more spun yarn . . . . .	(D)	(D)	(D)	(D)
	Spun/filament combinations. . . . .	(D)	(D)	(D)	(D)
2211D 53	Chiefly cotton . . . . .	(D)	(D)	-	-
2221G 84	Chiefly manmade . . . . .	(D)	(D)	(D)	(D)
	All other weaves. . . . .	5,334	151,607	5,552	53,369
	More than 50 percent cotton . . . . .	1,327	38,134	1,369	36,670
2211D 62	Weighing 5.9 ounces or less per square yard . . . . .	354	16,603	316	12,323
2211D 64	Weighing more than 5.9 ounces per square yard. . . . .	973	21,531	1,053	24,347
2221F 52	85 percent or more spun polyester . . . . .	321	6,584	278	5,699
	Chiefly spun polyester mixed with cotton . . . . .	607	13,361	592	12,039
2221F 54	Weighing 5.0 ounces or less per square yard . . . . .	190	5,935	180	5,812
2221F 56	Weighing more than 5.0 ounces per square yard. . . . .	417	7,426	412	6,227
2221F 58	All other fabrics, 85 percent or more spun yarn . . . . .	1,168	28,545	1,096	25,208
	Spun/filament combinations. . . . .	1,911	64,983	2,217	73,753
2211D 66	Chiefly cotton . . . . .	71	2,176	63	1,937
2221G 87	Chiefly manmade . . . . .	1,840	62,807	2,154	71,816

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies.

Revised by 5 percent or more from previously published figures.



Table 5. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE FILAMENT YARN FABRICS

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1992		Third quarter 1992	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	85 percent or more filament yarn fabrics .....	21,067	1,502,887	22,204	1,437,066
	High tenacity yarn fabrics .....	690	22,534	949	29,503
2221B 02	100 percent and chiefly rayon .....	356	4,510	522	<sup>1</sup> 4,827
2221C 02	100 percent and chiefly nylon .....	184	10,588	215	12,013
2221C 04	100 percent and chiefly polyester .....	150	7,436	212	12,663
2221C 07	85 percent more filament yarn fabric obtained from strip or the like except rayon and/or acetate .....	(D)	(D)	(D)	(D)
	85 percent or more filament rayon, acetate and/or triacetate filament yarn fabrics .....	4,003	124,878	4,580	<sup>1</sup> 145,647
	Weighing not more than 5 ounces per square yard ...	3,592	114,027	4,153	<sup>1</sup> 132,913
2221B 11	Plain weave .....	2,508	77,190	2,738	85,856
2221B 13	Other weaves .....	1,084	36,837	<sup>1</sup> 1,415	<sup>1</sup> 47,057
	Weighing more than 5 ounces per square yard .....	411	10,851	427	12,734
2221B 15	Plain weave .....	(D)	(D)	(D)	(D)
2221B 17	Other weaves .....	(D)	(D)	(D)	(D)
	Other chiefly rayon and/or acetate filament yarn fabrics .....	1,342	46,982	1,382	45,500
2221B 32	Weighing not more than 5 ounces per square yard ...	896	35,449	816	30,636
2221B 35	Weighing more than 5 ounces per square yard .....	446	11,533	566	14,864
	85 percent or more nylon filament yarn fabrics .....	3,432	109,412	3,319	122,940
2221C 11	Typewriter and other impression fabrics .....	721	22,444	624	25,940
	Other 85 percent or more nylon filament yarn fabrics .....	2,711	86,968	2,695	97,000
	Weighing not more than 5 ounces per square yard .....	2,421	73,625	2,419	83,634
2221C 14	Flat, non-textured .....	2,164	65,112	2,066	69,044
2221C 16	All other .....	257	8,513	353	14,590
	Weighing more than 5 ounces per square yard ...	290	13,343	276	13,366
2221C 22	Flat, non-textured .....	207	6,052	202	6,302
2221C 24	All other .....	83	7,291	74	7,064
	Other chiefly nylon filament fabrics .....	(D)	(D)	(D)	(D)
2221C 32	Weighing not more than 5 ounces per square yard ...	(D)	(D)	(D)	(D)
2221C 34	Weighing more than 5 ounces per square yard .....	(D)	(D)	(D)	(D)
	85 percent or more polyester filament yarn fabrics .....	5,643	178,695	5,851	189,436
2221C 42	Textured .....	4,040	129,907	4,059	131,029
	Weighing not more than 5 ounces per square yard <sup>1</sup> .....	2,307	69,541	2,385	70,998
2221C 44	Flat .....	(D)	(D)	(D)	(D)
2221C 45	Other .....	(D)	(D)	(D)	(D)
	Weighing more than 5 ounces per square yard <sup>1</sup> .....	1,733	60,366	1,674	60,031
2221C 50	Non-textured .....	1,603	48,788	1,792	58,407
	Weighing not more than 5 ounces per square yard <sup>1</sup> .....	971	26,516	1,137	32,075
2221C 55	Weighing more than 5 ounces per square yard <sup>1</sup> .....	632	22,272	655	26,332
2221C 62	Other chiefly polyester filament fabrics .....	218	2,595	220	3,725
	Glass fiber fabrics .....	2,231	80,344	2,378	88,293
2221C 72	Woven roving and screening .....	116	11,156	115	12,031
2221C 74	All other glass fiber fabrics .....	2,115	69,188	2,263	76,262
	All other 85 percent or more filament yarn fabrics, including saran and olefin .....	3,257	933,299	3,260	808,437
2221C 80	Carpet backing .....	2,712	873,867	2,731	743,314
2221C 83	Woven synthetic (including olefin) .....	(D)	(D)	(D)	(D)
2221C 84	Jute and other backing .....	(D)	(D)	(D)	(D)
	All other .....	545	59,432	529	65,123

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Revised by 5 percent or more from previously published figures.<sup>1</sup>Classified on a finished weight basis.



**Table 6. PRODUCTION AND LOOM ASSIGNMENT OF PILE FABRICS (INCLUDES YARN DYED FABRIC)**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1992		Third quarter 1992	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Pile fabrics . . . . .	5,236	122,364	5,322	122,966
	Corduroy . . . . .	694	7,637	465	7,242
	More than 50 percent cotton . . . . .	694	7,637	465	7,242
2211E 01	Finewales and pinwales . . . . .	419	3,406	274	3,582
2211E 03	Midwales . . . . .	(D)	(D)	(D)	(D)
2211E 06	Widewales and other . . . . .	(D)	(D)	(D)	(D)
2221H 01	Chiefly manmade fiber . . . . .	-	-	-	-
	Velvets, plushes, and other pile fabrics . . . . .	670	11,955	717	13,093
2211E 21	More than 50 percent cotton . . . . .	(D)	(D)	(D)	(D)
2221H 11	Chiefly manmade fiber . . . . .	(D)	(D)	(D)	(D)
	Terry cloth and terry toweling . . . . .	3,872	102,772	4,140	102,631
2211E 32	Terry toweling . . . . .	3,761	99,621	3,980	98,984
2211E 34	Terry cloth . . . . .	111	3,151	160	3,647

- Represents zero.

(D) Data withheld to avoid disclosing figures for individual companies.

\*Revised by 5 percent or more from previously published figures.

**Table 7. PRODUCTION AND LOOM ASSIGNMENT OF WOOLEN AND WORSTED FABRICS, INCLUDING CHIEFLY MANMADE/WOOL BLENDS AND CHIEFLY COTTON/WOOL BLENDS**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1992		Third quarter 1992	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Woolen and worsted fabrics, 36 percent or more wool (except felts) <sup>1</sup> . . . . .	1,778	39,516	1,898	43,910
	Apparel fabrics, including government orders . . . . .	1,679	37,443	1,794	40,874
	Worsted fabrics . . . . .	1,086	23,753	1,098	24,347
22312 01	Weighing not more than 5.9 ounces per square yard . . . . .	(D)	(D)	(D)	(D)
22312 02	Weighing more than 5.9 ounces per square yard . . . . .	(D)	(D)	(D)	(D)
	Woolen fabrics . . . . .	593	13,690	696	16,527
22312 21	Weighing not more than 9 ounces per square yard . . . . .	(D)	(D)	(D)	(D)
22312 23	Weighing more than 9 ounces per square yard . . . . .	(D)	(D)	(D)	(D)
	Nonapparel fabrics, including government orders (except felts) . . . . .	99	2,073	104	3,036
22312 62	Blanketing, including thermal . . . . .	(D)	(D)	(D)	(D)
22312 61	Upholstery fabric . . . . .	(D)	(D)	(D)	(D)
22312 85	All other fabrics . . . . .	54	701	53	661
22312 92	Woven felts (thousands of pounds) . . . . .	115	852	117	975
	Chiefly manmade/wool blend and chiefly cotton/wool blend fabrics . . . . .	(D)	(D)	(D)	(D)
	Chiefly spun polyester mixed mainly or solely with wool . . . . .	(D)	(D)	(D)	(D)
2221H 21	Woolen . . . . .	(D)	(D)	(D)	(D)
	Worsted . . . . .	(D)	(D)	(D)	(D)
2221H 25	Weighing not more than 5.9 ounces per square yard . . . . .	(D)	(D)	(D)	(D)
2221H 27	Weighing more than 5.9 ounces per square yard . . . . .	(D)	(D)	(D)	(D)
2221H 32	All other chiefly spun fibers mixed mainly or solely with wool . . . . .	(D)	(D)	(D)	(D)
	Chiefly filament polyester mixed mainly or solely with wool or spun polyester/wool blends (less than 36 percent wool) . . . . .	(D)	(D)	(D)	(D)
2221H 51	Woolen . . . . .	(D)	(D)	(D)	(D)
	Worsted . . . . .	(D)	(D)	(D)	(D)
2221H 53	Weighing not more than 5.9 ounces per square yard . . . . .	(D)	(D)	(D)	(D)
2221H 55	Weighing more than 5.9 ounces per square yard . . . . .	(D)	(D)	(D)	(D)
2221H 63	All other chiefly filament yarn mixed mainly or solely with wool . . . . .	(D)	(D)	(D)	(D)

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Includes fabrics 36 percent or more wool or reprocessed wool by weight. 1986 and prior years include fabrics 50 percent or more wool or reprocessed wool by weight.



**Table 8. PRODUCTION AND LOOM ASSIGNMENT OF UPHOLSTERY FABRICS**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	Fourth quarter 1992		Third quarter 1992	
		Looms operating end of quarter (number)	Production during quarter (M sq. yards)	Looms operating end of quarter (number)	Production during quarter (M sq. yards)
	Upholstery fabrics .....	3,778	87,708	3,823	95,172
	85 percent or more spun yarn and spun filament combinations ..	3,058	68,181	3,067	73,389
2211E 41	Pile woven .....	543	11,390	653	14,646
2221H 41	All cotton and chiefly cotton .....	12	79	24	182
	All manmade and chiefly manmade .....	531	11,311	629	14,464
2211X 01	Flat woven .....	2,515	56,791	2,414	58,743
	All cotton and chiefly cotton .....	772	15,106	745	16,594
	All manmade and chiefly manmade .....	1,743	41,685	1,669	42,149
2221X 01	Olefin .....	417	10,767	342	9,970
2221X 03	All other flat woven manmade fiber fabrics .....	1,326	30,918	1,327	32,179
	85 percent or more filament yarn .....	720	19,527	756	21,783
2221X 01	All polyester and chiefly polyester .....	276	7,002	341	8,336
2221X 03	All nylon and chiefly nylon .....	(D)	(D)	(D)	(D)
2221X 05	All olefin and chiefly olefin .....	347	11,665	329	12,078
2221X 07	All other filament fiber fabrics .....	(D)	(D)	(D)	(D)

(D) Data withheld to avoid disclosing figures for individual companies.

\*Revised by 5 percent or more from previously published figures.

**Table 9. PRODUCTION OF TIRE CORD AND TIRE CORD FABRICS**

(Thousands of pounds)

Product code	Product description	Production during quarter	
		Fourth quarter 1992	Third quarter 1992
22960 00	Tire cord and tire cord fabrics .....	189,636	190,275
22960 12	Cotton tire cord and tire cord fabrics .....	-	-
22960 32	Rayon tire cord and tire cord fabrics .....	314	462
22960 35	Nylon tire cord and tire cord fabrics .....	33,969	37,732
22960 37	Polyester tire cord and tire cord fabrics .....	54,055	48,953
22960 38	Glass tire cord and tire cord fabrics .....	215	308
22960 45	Steel tire cord .....	97,519	99,011
22960 49	All other tire cord and tire cord fabrics including chafer .....	3,564	3,809

- Represents zero.

**Table 10. LOOMS IN PLACE AND LOOM HOURS OPERATED IN BROADWOVEN FABRIC MILLS**

Product description	Fourth quarter 1992		Third quarter 1992	
	Looms in place (number)	Thousands of loom hours operated	Looms in place (number)	Thousands of loom hours operated
Total .....	94,217	162,075	95,512	170,216
Shuttle type looms .....	29,105	45,267	30,432	50,290
Single shuttle cam looms .....	20,461	32,688	21,136	34,835
Single shuttle dobby looms .....	4,812	7,956	5,386	9,418
Multiple shuttle box or head motion looms .....	2,448	2,912	2,436	3,879
Double shuttle pile and plush, and jacquard looms .....	1,384	1,711	1,474	2,158
Shuttleless looms and weaving machines .....	65,112	116,808	65,080	119,926
Single filling insertion capability .....	38,904	74,047	38,868	75,207
Air jet looms .....	15,622	30,323	15,582	30,945
Water jet looms .....	6,039	10,372	6,009	11,397
Projectile looms .....	12,337	24,678	12,425	24,231
Rapier looms .....	4,906	8,674	4,852	8,634
Multiple filling insertion capability .....	25,498	41,732	25,506	43,559
Air jet looms .....	(D)	(D)	(D)	(D)
Water jet looms .....	(D)	(D)	(D)	(D)
Projectile looms .....	10,260	17,977	10,436	18,120
Rapier looms .....	11,888	17,750	11,796	18,876
Pile and plush looms .....	710	1,029	706	1,160

(D) Data withheld to avoid disclosing figures for individual companies.



**Table 11. PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF BROADWOVEN FABRICS: THIRD QUARTER 1992**

(Quantity in thousands of square yards; value in thousands of dollars)

Product description	Manufacturers' shipments <sup>1</sup> (quantity)	Imports for consumption <sup>2</sup>		Percent imports to manufacturers' shipments (quantity)	Exports of domestic merchandise <sup>4</sup>		Percent exports to manufacturers' shipments (quantity)	Apparent consumption <sup>5</sup>
		Quantity	Value <sup>3</sup>		Quantity	Value		
Cotton fabrics <sup>6</sup> .....	956,767	374,462	385,031	39.1	(NA)	(NA)	(NA)	(NA)
Cheesecloth and batistes .....	(D)	9,309	6,543	(D)	7,456	12,958	(D)	(D)
Print cloth .....	82,551	79,738	52,544	96.8	985	1,983	1.2	161,304
Poplin and broadcloth .....	11,174	57,008	47,364	510.2	5,171	9,772	46.3	63,010
Weighing 5.9 ounces or less per square yard .....	8,159	54,942	45,775	673.4	2,383	5,758	29.2	60,718
Weighing more than 5.9 ounces per square yard .....	3,015	2,065	1,589	68.5	2,788	4,014	92.5	2,292
Duck, including tape warp .....	(D)	17,286	14,914	(D)	2,789	6,314	(D)	(D)
Sheeting .....	153,074	93,286	67,925	60.9	3,661	7,451	2.4	242,699
Twills and sateens .....	117,115	61,391	75,560	52.4	7,008	12,727	6.0	171,498
Oxfords .....	16,574	2,027	4,720	12.2	(NA)	(NA)	(NA)	(NA)
All other constructions .....	42,581	15,027	21,863	35.3	(NA)	(NA)	-	57,608
Blue Denim .....	(D)	20,258	37,394	(D)	14,880	38,011	(D)	(D)
Yarn dyed fabric .....	71,327	18,347	52,781	25.7	7,695	13,719	10.8	81,979
Pile fabrics, including yarn dyed .....	92,684	785	3,423	0.8	709	2,219	0.8	92,760
Manmade fiber fabrics .....	2,425,560	188,448	366,824	7.8	78,561	184,109	3.2	2,535,447
85% or more filament yarn fabrics .....	1,255,916	71,581	128,058	5.7	41,990	94,685	3.3	1,285,507
Nylon and polyester high tenacity fabric .....	15,070	2,674	7,313	17.7	8,816	18,088	58.5	8,928
Rayon high tenacity fabric .....	3,771	47	279	1.2	1,572	4,172	41.7	2,246
Typewriter fabric .....	18,766	7	159	-	(NA)	(NA)	(NA)	(NA)
Rayon or acetate filament yarn fabrics .....	143,696	4,322	12,145	3.0	3,406	7,370	2.4	144,612
Polyester filament yarn fabric .....	151,580	47,863	86,904	31.6	13,958	22,356	9.2	185,485
Glass fiber fabric .....	67,177	7,958	9,834	11.8	(NA)	(NA)	(NA)	(NA)
Nylon filament yarn fabric .....	75,505	7,978	9,859	10.6	3,299	11,050	4.4	80,184
All other filament yarn fabric .....	780,350	732	1,565	0.1	10,939	31,649	1.4	770,144
85 percent or more spun yarn fabric .....	878,765	68,022	86,712	7.7	24,212	53,996	2.8	922,575
Cheesecloth and batistes .....	37,221	8,003	5,826	21.5	22,987	46,238	(NA)	(NA)
Poplin broadcloth .....	125,282	13,202	12,029	10.5				
Polyester/cotton .....	109,786	12,478	10,206	11.4				
Weighing 5.0 ounces or less per square yard .....	98,487	12,150	9,659	12.3				
Weighing more than 5.0 ounces per square yard .....	11,299	329	547	2.9				
All other spun yarns .....	15,496	724	1,823	4.7				
Print cloth .....	151,145	14,154	8,741	9.4				
Polyester/cotton .....	132,603	13,273	7,773	10.0				
All other spun yarns .....	18,543	881	968	4.8				
Duck .....	4,474	266	811	5.9				
Sheeting .....	361,304	8,410	6,903	2.3				
Polyester/cotton .....	323,656	7,247	4,572	2.2				
Weighing 5.0 ounces or less per square yard .....	315,866	7,247	4,572	93.0				
Weighing more than 5.0 ounces per square yard .....	7,790							
All other spun yarn .....	37,647	1,163	2,331	3.1				
Sateens or twills .....	96,491	14,778	18,501	15.3				
Oxford .....	9,803	11	57	0.1				
All other spun manmade fiber fabrics .....	42,349	2,911	11,316	6.9				
Yarn dyed fabric .....	41,070	5,303	17,206	12.9				
Pile fabrics .....	9,627	985	5,322	10.2				
Spun/filament yarn combinations, including yarn dyed .....	265,047	38,094	61,287	14.4	11,543	29,097	4.4	291,598
Chiefly manmade/wool blends .....	12,916	3,218	9,680	24.9	(NA)	(NA)	(NA)	(NA)
Silk fabrics .....	163	7,533	81,087	4,620.0	816	6,331	500.5	6,880
Wool fabrics .....	33,040	5,129	54,784	15.5	1,272	6,814	3.8	36,897
Chiefly cotton fabrics blended with wool and other vegetable fibers and other vegetable fiber fabrics .....	(D)	6	104	(D)	(NA)	(NA)	(NA)	(NA)

Note: Fabric blends as shown in Current Industrial Reports Series MQ22T are reported based on the chief weight of the fiber whereas fabric blends as shown for imports and exports are based on the chief value of the fiber.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. (NA) Not available.

<sup>1</sup>Represents production of gray broadwoven fabrics; import and export data represent gray as well as finished broadwoven fabrics. For a comparison of Standard Industrial Classification (SIC) based product codes with Schedule B export numbers and HTSUSA import numbers, see table 12 in the first quarter 1992 report for this series, MQ22T(92)-1, issued August 1992. <sup>2</sup>Source: Bureau of the Census Report IM 145, *U.S. Imports for Consumption*. <sup>3</sup>This dollar value represents the c.i.f. (cost, insurance, and freight) at the first port of entry in the United States plus calculated import duty. <sup>4</sup>Source: Bureau of the Census Report EM 545, *U.S. Exports*. <sup>5</sup>Apparent consumption represents new domestic supply and is derived by subtracting exports from the total manufacturers' shipments plus imports. <sup>6</sup>Includes all cotton and chiefly cotton mixed with manmade fiber.



## INSTRUCTIONS FOR CURRENT INDUSTRIAL REPORT DATA USERS, FOR ACCESSING THE CENSUS-BEA ELECTRONIC FORUM TO GET CURRENT DATA ON U.S. INDUSTRIAL ACTIVITY

The Census-BEA Electronic Forum is an electronic bulletin board where data users may retrieve industry data on the production, inventories, and orders of various manufacturing products using a communication modem on the user's personal computer (PC). The electronic bulletin board supports public messages, private E-mail, bulletins, file downloads, and on-line questionnaires.

A data user must register with the FORUM and read the NEWUSER Information before being able to access data. Before making your first call, please have the following answers available to provide the correct registration information: Brand name of your PC, dimensions of your monitor's screen (80 columns by 24 lines or other), whether your monitor supports color, the baud rate (or speed) at which your modem communicates, the software package your PC uses to make calls (such as CrossTalk, PC Plus, ProComm, PC-Talk, or SmartComm). Decide on your password before calling. During your initial call, you must read all of the NEWUSER Message and provide complete, correct answers to the on-line Registration Questionnaire. Doing both will result in full access privileges to FORUM.

Refer to the instructions for your communications software to learn how to enter the telephone number and parameters of the FORUM in the dialing directory of your communications software. If you use a long distance service other than AT&T, be sure to include the prefix. To access the Census-BEA Electronic Forum, please dial 301-763-7554. Your communications modem should be set as follows:

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Data Bits: 8

Stop Bits: 1

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1. Open Forum
2. 1990 Census
3. Census Economic
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Select "8" to access Current Industrial Reports data.

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- "F" (files -Go to files transfer menu)
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- "D" (download to your PC), enter the file name
- "4" (XMODEM)
- PageDown
- "1" (XMODEM) and enter destination drive and file-name: (a:indm20j.oct).

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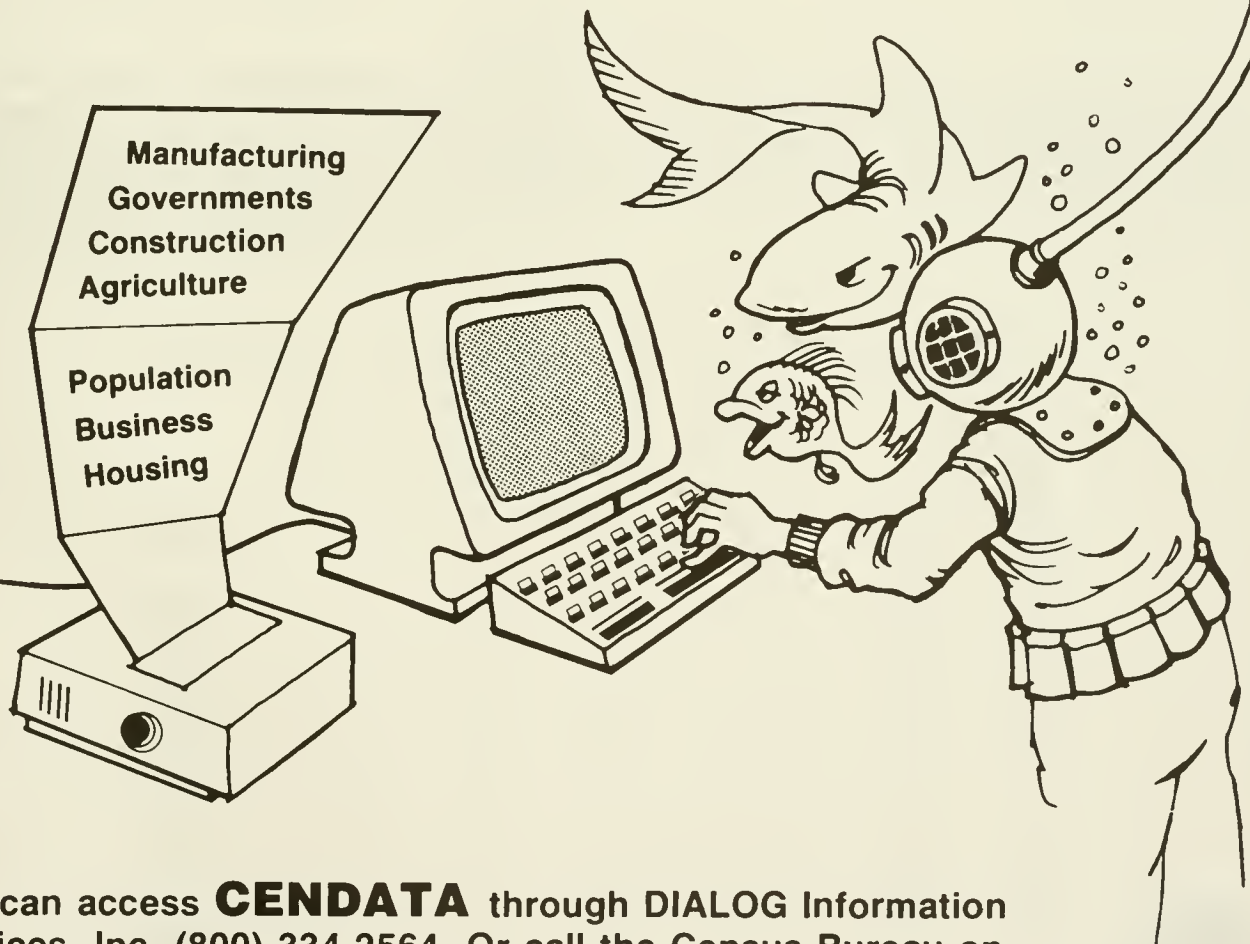


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**Broadwoven Fabrics (Gray)**

rent Industrial Reports, Broadwo...

SEP 21 1993

**SUMMARY FOR 1992**MQ22T(92)-5  
Issued July 1993U.S. Department of Commerce  
Economics and Statistics Administration  
BUREAU OF THE CENSUS**SUMMARY OF FINDINGS**

Broadwoven fabric production for 1992 totaled 16,865.2 million square yards, which is an increase of 6 percent from the 1991 production of 15,908.4 million square yards.

Chiefly cotton fabrics totaled 4,599.2 million square yards for 1992, which is an increase of 4.5 percent from the 1991 production of 4,403.5 million square yards.

Manmade, silk and manmade/wool blends for 1992 totaled 11,326.4 million square yards, which is an increase of 6.7 percent from the 1991 production of 10,614.6 million square yards.

Chiefly wool fabric production for 1992 totaled 176.3 million square yards, which is an increase of 4 percent from the 1991 production of 169.6 million square yards.

Tire cord fabric production for 1992 totaled 762.9 million square yards, which is an increase of 5.9 percent from the 1991 production of 720.7 million square yards.

The total broadwoven fabric production for 1992 is 5.5 percent greater than the 1990 broadwoven fabric production.

A description of the survey methodology and related information appears on page 30.

**IMPORTANT NOTICE**

In an effort to reduce costs and provide more timely data, beginning with the 1992 annual issue, these data will be available through an electronic bulletin board. Access to the bulletin board is free. Instructions for accessing the bulletin board appear on the last page of this publication. Printed data tables will be available at the end of each data year through a new, annual compendium publication, which will include information for all Current Industrial Reports. If you have any questions regarding this new publication procedure, please contact the analyst listed below.

Table 1. SUMMARY OF PRODUCTION OF BROADWOVEN GRAY FABRICS, BY TYPE OF FABRIC: 1988 TO 1992  
[Millions of square yards]

Quarter and Year	Chiefly cotton fabrics	Manmade fiber fabrics, including silk and manmade/wool blends	Chiefly wool fabric	Tire cord and tire cord fabrics
<b>1992</b>				
Fourth quarter	1,143.9	2,893.4	39.5	189.6
Third quarter	1,129.8	2,827.1	43.9	190.3
Second quarter	1,172.1	2,843.7	47.2	192.7
First quarter	1,153.8	2,762.2	45.7	190.3
<b>1991</b>				
Fourth quarter	1,093.3	2,751.1	41.5	186.2
Third quarter	1,081.6	2,644.7	41.4	175.1
Second quarter	1,147.9	2,675.6	48.7	180.8
First quarter	1,080.7	2,543.2	38.0	178.6
<b>1990</b>				
Fourth quarter	1,048.0	2,700.2	31.4	177.8
Third quarter	1,087.3	2,585.9	32.6	172.5
Second quarter	1,126.6	2,664.2	38.7	183.3
First quarter	1,201.5	2,712.2	38.0	184.7
<b>1989</b>				
Fourth quarter	1,105.8	2,714.6	37.0	161.4
Third quarter	1,134.3	2,670.0	40.1	172.0
Second quarter	1,191.8	2,782.2	50.9	179.3
First quarter	1,157.2	2,796.0	48.3	175.7
<b>1988</b>				
Fourth quarter	1,052.3	2,847.7	43.9	168.9
Third quarter	1,072.2	2,735.6	43.0	169.5
Second quarter	1,255.0	2,877.6	53.0	157.7
First quarter	1,252.1	2,908.8	50.6	153.8

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Keith Featherstone, 301-763-2553.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.



Table 2. SUMMARY OF PRODUCTION AND LOOM ASSIGNMENTS OF BROADWOVEN GRAY FABRICS: 1992

[Looms operating in number; production in thousands of square yards]

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
	Cotton and chiefly cotton fabrics mixed mainly or solely with manmade fibers .....	27,048	4,599,666	29,435	1,153,832	30,066	1,172,091	28,936	1,129,836	27,048	1,143,907
2211B 00	Plain weaves .....	12,154	2,203,138	13,823	564,752	14,097	558,104	13,869	543,135	12,154	537,147
2211C 00	Twill weaves .....	7,239	1,456,542	7,281	355,278	7,547	367,141	7,233	359,969	7,239	374,154
2211D 00	All other weaves except pile .....	3,059	469,722	3,352	113,498	3,624	118,087	3,201	116,381	3,059	121,756
2211E 00	Pile fabrics .....	4,596	470,264	4,979	120,304	4,798	128,759	4,633	110,351	4,596	110,850
	Chiefly cotton fabrics mixed mainly or solely with other than manmade fibers .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Manmade fiber and silk gray broadwoven fabrics ..	57,056	11,326,410	58,725	2,762,206	59,561	2,843,731	57,837	2,827,117	57,056	2,893,356
2221B 00	85 percent or more filament rayon and/or acetate fabrics .....	5,701	777,246	6,904	199,816	6,733	205,086	6,483	195,974	5,701	176,370
2221C 00	85 percent or more filament fabrics, except rayon and/or acetate .....	15,282	4,949,391	15,863	1,163,379	15,835	1,218,481	15,707	1,240,310	15,282	1,327,221
	85 percent or more spun yarn fabrics, except wool blends .....	28,453	4,174,233	27,847	1,052,599	28,185	1,051,293	27,640	1,026,229	28,453	1,044,112
2221D 00	Plain weave, except pile .....	21,993	3,355,037	21,279	856,901	21,363	843,594	20,950	822,731	21,993	831,811
2221E 00	Twill weave, except pile .....	2,889	459,915	3,568	113,530	3,536	122,909	3,075	112,288	2,889	111,188
2221F 00	All other weaves, except pile ..	3,571	359,281	3,000	82,168	3,286	84,790	3,615	91,210	3,571	101,113
2221G 00	Spun/filament yarn combinations ..	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221H 10	Pile fabrics .....	640	50,610	708	12,306	710	14,234	686	12,556	640	11,514
2221H 2X	All other chiefly manmade fiber fabrics, including chiefly manmade fiber blends with wool ..	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221H 01	Silk fabrics .....	68	969	73	259	83	319	69	196	68	195
	Woolen and worsted fabrics .....	1,778	176,285	1,882	45,660	1,985	47,199	1,898	43,910	1,778	39,516

(D) Data withheld to avoid disclosing figures for individual companies.



Table 3. SUMMARY OF PRODUCTION OF BROADWOVEN FABRIC BY TEXTILE CATEGORY: 1992

[Thousands of square yards]

Product description	Production				
	Total	First quarter	Second quarter	Third quarter	Fourth quarter
Blue denim .....	781,948	191,776	189,697	189,369	211,106
All other yarn dyed fabric .....	564,398	127,268	149,934	149,039	138,157
Plain weave .....	123,132	24,919	30,870	'37,149	'30,194
Twill weave .....	165,912	36,626	49,505	43,722	36,059
All other weave .....	275,354	65,723	69,559	68,168	71,904
Cheesecloth and batistes .....	1,148,391	310,216	290,135	280,457	267,583
Duck .....	(D)	(D)	(D)	(D)	(D)
Oxfords .....	107,237	20,401	24,568	30,721	31,547
Pile fabrics .....	520,874	132,610	142,993	122,907	122,364
Special weave fabric .....	375,552	92,718	91,162	90,116	101,556
Other fabrics, chiefly cotton fiber:					
Print cloth .....	430,558	'118,395	110,751	102,601	98,811
Poplin and broadcloth .....	52,616	12,606	13,021	13,625	13,364
Sheeting .....	690,348	156,490	174,222	176,559	183,077
Twills .....	512,257	127,641	128,905	127,529	128,182
Sateens .....	43,194	9,156	10,739	11,670	11,629
Other fabrics, chiefly manmade fiber:					
Manmade/wool blends .....	(D)	(D)	(D)	(D)	(D)
85 percent or more filament yarn fabrics:					
Typewriter fabric .....	105,398	28,719	28,295	25,940	22,444
Other nylon .....	441,416	110,902	117,535	112,084	100,895
Rayon and acetate .....	777,246	199,816	205,086	195,974	176,370
Polyester .....	786,997	186,689	205,758	205,824	188,726
Glass fiber .....	362,444	91,732	100,376	88,239	82,097
All other .....	3,255,592	745,927	767,054	808,740	933,871
85 percent or more spun yarn fabrics:					
Print cloth .....	713,992	176,111	174,230	176,927	186,724
Poplin and broadcloth .....	573,558	149,987	139,733	135,899	147,939
Sheeting .....	1,779,590	463,216	456,882	431,743	427,749
Twills and sateens .....	484,554	120,629	129,083	118,172	116,670
Spun filament combinations except blue denim:					
Print cloth .....	404,424	97,189	105,222	99,949	102,064
Poplin and broadcloth .....	307,136	67,428	78,143	84,067	77,498
Sheeting .....	127,172	38,439	32,564	29,100	27,069
Twills and sateens .....	107,991	'23,977	27,804	29,719	'26,491
Other .....	347,300	86,389	90,457	86,681	83,773
Wool fabrics .....	176,285	45,660	47,199	43,910	39,516
Silk fabrics .....	969	259	319	196	195

(D) Data withheld to avoid disclosing figures for individual companies.

'Revised by 5 percent or more from previously published figures.



Table 4. **PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS: 1992**

[Looms operating in number; production in thousands of square yards]

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
2211B 02	Tobacco, cheese, and bandage cloth	3,420	1,175,025	3,305	316,754	3,087	297,470	3,212	286,493	3,420	274,308
2221D 03	More than 50 percent cotton	2,644	956,936	2,724	261,156	2,583	241,361	2,678	231,882	2,644	222,537
2221D 04	Chiefly spun polyester mixed with cotton	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221D 05	Chiefly spun rayon and/or acetate	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	All other fabrics, 85 percent or more spun yarn	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Spun-filament combinations	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211B 05	Chiefly cotton	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 04	Chiefly manmade	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211B 12	Print cloth	11,613	1,549,021	13,315	391,695	13,242	390,232	12,883	379,491	11,613	387,603
	More than 50 percent cotton	4,322	430,395	5,999	118,395	5,830	110,570	5,644	102,615	4,322	98,815
2221D 13	Chiefly spun polyester mixed with cotton	5,024	617,541	5,113	153,637	4,966	151,394	4,870	149,696	5,024	162,814
2221D 15	Chiefly spun polyester mixed with rayon	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221D 16	Chiefly spun rayon and/or acetate	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221D 18	All other fabrics, 85 percent or more spun yarn	569	63,602	379	12,676	434	13,856	618	19,537	569	17,533
	Spun/filament combinations	1,519	404,634	1,508	97,189	1,706	105,432	1,546	99,949	1,519	102,064
2211B 14	Chiefly cotton	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 07	Chiefly manmade	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Poplin and broadcloth	7,227	1,020,358	6,352	249,291	6,599	253,955	6,780	259,049	7,227	258,063
	More than 50 percent cotton	264	59,710	424	14,966	438	14,984	411	15,225	264	14,535
	Weighing 5.9 ounces or less per square yard	211	41,925	337	11,977	334	10,009	337	10,716	211	9,223
2211B 21	Carded	88	15,525	165	4,088	149	4,720	165	3,972	88	2,745
2211B 25	Combed	123	26,400	172	7,889	185	5,289	172	6,744	123	6,478
2211B 30	Weighing more than 5.9 ounces per square yard	53	17,785	87	2,989	104	4,975	74	4,509	53	5,312
	Chiefly spun polyester mixed with cotton	4,615	557,949	3,813	136,101	4,170	134,807	4,295	143,728	4,615	143,313
	Weighing 5.0 ounces or less per square yard	4,441	513,019	3,628	126,779	3,926	125,393	3,991	130,129	4,441	130,718
2221D 23	Carded	3,540	363,575	2,986	93,624	3,100	89,148	3,316	90,079	3,540	90,724
2221D 25	Combed	901	149,444	642	33,155	826	36,245	675	40,050	901	39,994
	Weighing more than 5.0 ounces per square yard	174	44,930	185	9,322	244	9,414	304	13,599	174	12,595
2221D 27	Carded	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221D 31	Combed	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221D 33	Chiefly spun rayon and/or acetate	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221D 34	All other fabrics, 85 percent or more spun yarn	477	65,437	623	23,983	474	20,469	378	9,357	477	11,628
	Spun/filament combinations	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211B 35	Chiefly cotton	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 19	Chiefly manmade	1,293	307,136	1,216	67,428	1,284	78,143	1,339	84,067	1,293	77,498

See footnotes at end of table.



Table 4. **PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS:**  
1992—Continued

[Looms operating in number; production in thousands of square yards]

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
2211B 41	Lawns, voiles, and batistes... More than 50 percent cotton .....	109	3,654	88	553	97	641	113	981	109	1,479
2221D 41	Chiefly spun polyester mixed with cotton .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221D 44	Chiefly spun rayon and/or acetate .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221D 42	All other fabrics, 85 percent or more spun yarn .....	(D)	(D)	-	-	-	-	-	-	(D)	(D)
2211B 43	Spun/filament combinations .....	-	-	-	-	-	-	-	-	-	-
2221G 28	Chiefly cotton .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 28	Chiefly manmade .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211B 71	Duck, including taped warp duck .....	635	68,122	607	14,553	636	16,801	579	15,158	635	21,610
2221D 89	More than 50 percent cotton .....	246	33,778	260	7,480	269	8,541	241	8,175	246	9,582
2221D 91	Chiefly spun polyester mixed with cotton .....	133	9,057	141	2,438	130	2,201	132	2,091	133	2,327
2211B 75	All other fabrics, 85 percent or more spun yarn .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221B 77	Spun/filament combinations .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221B 77	Chiefly cotton .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221B 77	Chiefly manmade .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211B 45	Bedsheeting .....	11,022	1,897,106	11,130	473,445	11,680	479,890	10,999	471,109	11,022	472,662
2221D 43	More than 50 percent cotton .....	2,618	397,495	2,436	90,518	2,761	101,127	2,760	104,975	2,618	100,875
2221D 45	Chiefly spun polyester mixed with cotton .....	7,566	1,320,075	7,740	338,643	7,959	332,019	7,389	321,669	7,566	327,744
2221D 46	Carded .....	1,757	417,736	1,476	92,206	1,924	109,655	1,742	108,263	1,757	107,612
2221D 47	Combed .....	5,809	902,339	6,264	246,437	6,035	222,364	5,647	213,406	5,809	220,132
2211B 47	Chiefly spun rayon and/or acetate .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211B 47	All other fabrics, 85 percent or more spun yarn .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 33	Spun/filament combinations .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 33	Chiefly cotton .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 33	Chiefly manmade .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211B 61	All other sheeting, including osnaburgs .....	3,637	712,032	3,899	182,554	3,902	184,558	3,816	173,085	3,637	171,835
2211B 61	More than 50 percent cotton .....	1,391	223,180	1,520	54,853	1,634	55,371	1,466	52,023	1,391	60,933
2211B 61	Weighing 5.9 ounces or less per square yard .....	1,061	154,333	1,207	39,285	1,244	39,309	1,060	34,930	1,061	40,809
2211B 61	Weighing more than 5.9 ounces per square yard .....	330	68,847	313	15,568	390	16,062	406	17,093	330	20,124
2211B 63	Blanketing .....	221	47,217	174	11,323	185	10,753	225	11,000	221	14,141
2211B 65	All other fabric .....	109	21,630	139	4,245	205	5,309	181	6,093	109	5,983

See footnotes at end of table.



Table 4. **PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS: 1992—Continued**

[Looms operating in number; production in thousands of square yards]

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
2221D 63	85 percent or more spun polyester.....	162	24,263	156	6,137	156	5,862	153	5,800	162	6,464
2221D 65	Blanketing.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	All other fabric.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221D 73	Chiefly spun polyester mixed with cotton.....	1,355	290,181	1,465	79,585	1,359	79,058	1,393	70,709	1,355	60,829
2221D 75	Weighing 5.0 ounces or less per square yard...	1,133	246,694	1,212	66,754	1,106	68,109	1,141	60,359	1,133	51,472
	Weighing more than 5.0 ounces per square yard.....	222	43,487	253	12,831	253	10,949	252	10,350	222	9,357
2221D 81	Chiefly spun acrylic.....	133	40,041	143	7,257	140	10,992	189	10,909	133	10,883
2221D 83	Blanketing.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221D 84	All other fabric.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Chiefly spun rayon and/or acetate.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221D 85	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211B 67	Chiefly cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 45	Chiefly manmade.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Blue denim.....	3,452	781,948	3,338	191,776	3,195	189,697	3,486	189,369	3,452	211,106
2211C 01	More than 50 percent cotton.....	3,333	758,893	3,248	186,086	3,102	184,576	3,363	183,478	3,333	204,753
2211C 03	Weighing 10.7 ounces or less per square yard...	401	84,386	433	22,306	337	19,091	332	18,947	401	24,042
2221E 03	Weighing more than 10.7 ounces per square yard.....	2,932	674,507	2,815	163,780	2,765	165,485	3,031	164,531	2,932	180,711
	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211G 05	Chiefly cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 46	Chiefly manmade.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	All other denim.....	875	192,993	828	43,728	1,055	54,192	832	51,994	875	43,079
2211C 11	More than 50 percent cotton.....	851	187,264	804	42,488	1,024	52,885	802	50,153	851	41,738
2211C 13	Weighing 10.7 ounces or less per square yard...	95	20,484	65	4,833	108	4,377	150	5,583	95	5,691
2221E 13	Weighing more than 10.7 ounces per square yard.....	756	166,780	739	37,655	916	48,508	652	44,570	756	36,047
	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Spun/filament combinations.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211C 15	Chiefly cotton.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221C 18	Chiefly manmade.....	-	-	-	-	-	-	-	-	-	-
2211C 21	Canton flannels.....	413	25,914	425	6,360	425	9,551	388	5,004	413	4,999
	All other twill weaves.....	5,953	1,004,156	6,800	246,543	6,988	259,672	6,178	248,870	5,953	249,071
2211C 31	More than 50 percent cotton.....	2,529	462,708	2,687	114,895	2,890	115,521	2,561	115,444	2,529	116,848
2211C 33	Weighing 5.9 ounces or less per square yards...	975	116,783	983	31,571	1,072	32,137	921	27,942	975	25,133
2221E 21	Weighing more than 5.9 ounces per square yard.....	1,554	345,925	1,704	83,324	1,818	83,384	1,640	87,502	1,554	91,715
	85 percent or more spun polyester.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221E 23	Chiefly spun polyester mixed with cotton.....	2,076	317,182	2,150	78,123	2,082	78,272	2,082	76,807	2,076	83,980
	Weighing 5.0 ounces or less per square yard...	543	52,767	677	16,836	576	12,248	570	11,854	543	11,829

See footnotes at end of table.



Table 4. **PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS:**  
1992—Continued

[Looms operating in number; production in thousands of square yards]

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
2221E 25	Weighing more than 5.0 ounces per square yard.	1,533	264,415	1,473	'61,287	1,506	'66,024	1,512	64,953	'1,533	'72,151
2221E 26	Chiefly spun rayon and/or acetate .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221E 27	All other fabrics, 85 percent or more spun yarn .....	402	74,524	'672	'20,567	694	22,868	594	17,565	'402	'13,524
	Spun/filament combinations .....	539	81,888	'546	18,171	565	21,352	547	21,262	'539	'21,103
2211C 35	Chiefly cotton .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221C 39	Chiefly manmade .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Sateens .....	657	96,291	'762	'22,590	749	23,826	683	26,696	657	23,179
2211D 05	More than 50 percent cotton .....	198	42,812	179	9,100	176	10,639	225	11,458	198	11,615
2221F 05	Chiefly spun polyester mixed with cotton .....	131	17,858	195	5,447	153	4,296	159	4,161	'131	3,954
2221F 06	Chiefly spun rayon and/or acetate .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221F 07	All other fabrics, 85 percent or more spun yarn .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Spun/filament combinations .....	217	27,431	'253	'6,302	280	6,762	170	8,716	217	5,651
2211D 07	Chiefly cotton .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 05	Chiefly manmade .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Oxfords .....	1,432	232,645	1,101	51,416	1,639	57,008	1,421	62,466	1,432	61,755
2211D 11	More than 50 percent cotton .....	766	134,685	587	27,630	960	34,769	815	35,858	766	36,428
2221F 11	Chiefly spun polyester mixed with cotton .....	203	23,951	'118	6,708	308	5,940	204	6,271	203	5,032
2221F 17	All other fabrics, 85 percent or more spun yarn .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Spun/filament combinations .....	212	24,740	169	6,104	157	5,907	148	6,244	212	6,485
2211D 13	Chiefly cotton .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 68	Chiefly manmade .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211D 31	Birdseye diaper cloth .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211D 35	Huck and crash toweling .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Table damask .....	394	66,218	343	14,637	359	16,207	355	15,591	394	19,783
2211D 45	More than 50 percent cotton .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221F 32	Chiefly spun polyester mixed with cotton .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221F 37	All other fabrics, 85 percent or more spun yarn .....	-	-	-	-	-	-	-	-	-	-
	Spun/filament combinations .....	-	-	-	-	-	-	-	-	-	-
2211D 07	Chiefly cotton .....	-	-	-	-	-	-	-	-	-	-
2221G 82	Chiefly manmade .....	-	-	-	-	-	-	-	-	-	-
	Jacquard and dobby shirting fabrics .....	635	51,407	408	11,811	433	10,930	752	12,085	'635	16,581
2211D 51	More than 50 percent cotton .....	111	20,665	68	4,364	82	4,671	137	5,284	'111	6,346
2221F 41	Chiefly spun polyester mixed with cotton .....	107	8,745	122	3,204	199	1,734	114	1,733	107	2,074
2221F 43	All other fabric, 85 percent or more spun yarn .....	335	17,655	131	2,825	73	3,257	441	4,703	335	6,870
	Spun/filament combinations .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211D 53	Chiefly cotton .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221G 84	Chiefly manmade .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

See footnotes at end of table.



Table 4. **PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS:**  
1992—Continued

[Looms operating in number; production in thousands of square yards]

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
	All other weaves .....	5,338	615,051	5,518	150,723	6,016	158,768	5,605	153,722	5,338	151,838
	More than 50 percent cotton .....	1,315	153,590	1,544	39,173	1,608	39,821	1,369	36,669	1,315	37,927
2211D 62	Weighing 5.9 ounces or less per square yard...	354	56,239	361	13,440	360	13,873	316	12,323	354	16,603
2211D 64	Weighing more than 5.9 ounces per square yard.	961	97,351	1,183	25,733	1,248	25,948	1,053	24,346	961	21,324
2221F 52	85 percent or more spun polyester .....	322	24,378	'279	5,802	'311	'5,897	'331	'6,020	322	6,659
	Chiefly spun polyester mixed with cotton .....	608	47,710	618	10,122	644	12,188	592	12,039	608	13,361
2221F 54	Weighing 5.0 ounces or less per square yard ...	190	22,630	173	4,757	179	6,126	180	5,812	190	5,935
2221F 56	Weighing more than 5.0 ounces per square yard.	418	25,080	445	'5,365	465	6,062	412	6,227	418	7,426
2221F 58	All other fabrics, 85 percent or more spun yarn .....	1,171	99,412	903	21,788	949	23,816	1,096	25,206	1,171	28,602
	Spun/filament combinations .....	1,922	289,961	'2,174	'73,838	2,504	77,046	2,217	73,788	1,922	65,289
2211D 66	Chiefly cotton .....	71	10,004	'80	'2,717	83	3,174	63	1,937	71	2,176
2221G 87	Chiefly manmade .....	1,851	279,957	'2,094	'71,121	2,421	73,872	2,154	71,851	1,851	63,113

- Represents zero.  
published figures.

(D) Data withheld to avoid disclosing figures for individual companies.

'Revised by 5 percent or more from previously



Table 5. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE FILAMENT YARN FABRICS: 1992

[Looms operating in number; production in thousands of square yards]

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
	85 percent or more filament yarn fabrics . . .	21,057	5,729,093	22,788	1,363,785	22,589	1,424,104	22,211	1,436,801	21,057	1,504,403
2221B 02	High tenacity yarn fabrics . . . . .	690	114,222	'964	29,529	953	32,656	949	29,503	690	22,534
2221C 02	100 percent and chiefly rayon . . . . .	356	18,745	498	4,767	500	4,641	522	4,827	356	4,510
2221C 04	100 percent and chiefly nylon . . . . .	184	47,307	'238	'12,167	222	12,539	215	12,013	184	10,588
2221C 07	100 percent and chiefly polyester . . . . .	150	48,170	'228	12,595	231	15,476	212	12,663	150	7,436
	85 percent more filament yarn fabric obtained from strip or the like except rayon and/or acetate . . . . .	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	85 percent or more acetate or triacetate filament yarn fabrics . . . . .	4,003	576,826	4,889	149,913	4,736	156,388	4,580	145,647	4,003	124,878
	Weighing not more than 5 ounces per square yard . . . . .	3,592	526,325	4,451	136,538	4,303	142,847	4,153	132,913	3,592	114,027
2221B 11	Plain weave . . . . .	2,508	354,276	3,072	93,173	2,958	98,057	2,738	85,856	2,508	77,190
2221B 13	Other weaves . . . . .	1,084	172,049	1,379	43,365	1,345	44,790	1,415	47,057	1,084	36,837
	Weighing more than 5 ounces per square yard . . . . .	411	50,501	'438	13,375	433	13,541	427	12,734	411	10,851
2221B 15	Plain weave . . . . .	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221B 17	Other weaves . . . . .	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Other chiefly rayon and/or acetate filament yarn fabrics . .	1,342	181,675	'1,517	'45,136	1,497	44,057	1,381	45,500	1,342	46,982
2221B 32	Weighing not more than 5 ounces per square yard . . . . .	896	134,132	'1,027	'35,040	978	33,007	815	30,636	896	35,449
2221B 35	Weighing more than 5 ounces per square yard . . . . .	446	47,543	'490	'10,096	519	11,050	566	14,864	446	11,533
	85 percent or more nylon filament yarn fabrics . . . . .	3,432	487,946	3,495	125,400	3,483	130,194	3,319	122,940	3,432	109,412
2221C 11	Typewriter and other impression fabrics . . . . .	721	105,398	835	28,719	765	28,295	624	25,940	721	22,444
	Other 85 percent or more nylon filament yarn fabrics . .	2,711	382,548	2,660	96,681	2,718	101,899	2,695	97,000	2,711	86,968
	Weighing not more than 5 ounces per square yard . . . . .	2,421	325,738	2,412	82,821	2,409	85,658	2,419	83,634	2,421	73,625
2221C 14	Flat, non-textured . . . . .	2,164	276,117	2,111	69,966	2,088	71,995	2,066	69,044	2,164	65,112
2221C 16	All other . . . . .	257	49,621	301	12,855	321	13,663	353	14,590	257	8,513
	Weighing more than 5 ounces per square yard . . . . .	290	56,810	248	13,860	309	16,241	276	13,366	290	13,343
2221C 22	Flat, non-textured . . . . .	207	23,901	166	5,328	197	6,219	202	6,302	207	6,052
2221C 24	All other . . . . .	83	32,909	82	8,532	112	10,022	74	7,064	83	7,291
	Other chiefly nylon filament fabrics . . . . .	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221C 32	Weighing not more than 5 ounces per square yard . . . . .	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221C 34	Weighing more than 5 ounces per square yard . . . . .	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

See footnotes at end of table.



Table 5. **PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE FILAMENT YARN FABRICS:**  
**1992—Continued**

[Looms operating in number; production in thousands of square yards]

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
2221C 42	85 percent or more polyester filament yarn fabrics .....	5,643	725,730	5,786	170,926	5,697	186,673	5,851	189,436	5,643	178,695
	Textured .....	4,040	518,452	4,227	122,260	4,055	135,256	4,059	131,029	4,040	129,907
	Weighing not more than 5 ounces per square yard <sup>1</sup> .....	2,307	275,057	2,354	64,632	2,254	69,886	2,385	70,998	2,307	69,541
2221C 44	Flat .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221C 45	Other .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221C 50	Weighing more than 5 ounces per square yard <sup>1</sup> .....	1,733	243,395	1,873	57,628	1,801	65,370	1,674	60,031	1,733	60,366
	Non-textured .....	1,603	207,278	1,559	48,666	1,642	51,417	1,792	58,407	1,603	48,788
	Weighing not more than 5 ounces per square yard <sup>1</sup> .....	971	113,030	941	27,911	873	26,528	1,137	32,075	971	26,516
2221C 55	Weighing more than 5 ounces per square yard <sup>1</sup> .....	632	94,248	618	20,755	769	24,889	655	26,332	632	22,272
2221C 62	Other chiefly polyester filament fabrics .....	218	13,097	241	3,168	252	3,609	220	3,725	218	2,595
2221C 72	Glass fiber fabrics .....	2,231	362,444	2,394	91,732	2,475	100,376	2,378	88,239	2,231	82,097
2221C 74	Woven roving and screening .....	116	48,410	102	11,726	115	13,606	115	11,969	116	11,109
	All other glass fiber fabrics .....	2,115	314,034	2,292	80,006	2,360	86,770	2,263	76,270	2,115	70,988
2221C 80	All other 85 percent or more filament yarn fabrics, including saran and olefin .....	3,246	3,253,136	3,230	745,337	3,224	766,517	3,267	808,223	3,246	933,059
	Carpet backing .....	2,712	3,003,920	2,698	681,779	2,689	704,960	2,731	743,314	2,712	873,867
	Woven synthetic (including olefin) .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221C 83	Jute and other backing .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221C 84	All other .....	534	249,216	532	63,558	535	61,557	536	64,909	534	59,192

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Revised by 5 percent or more from previously published figures.

<sup>1</sup>Classified on a finished weight basis.



Table 6. **PRODUCTION AND LOOM ASSIGNMENT OF PILE FABRICS INCLUDES YARN DYED FABRICS: 1992**

[Looms operating in number; production in thousands of square yards]

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
	Pile fabrics .....	5,236	520,874	5,687	132,610	5,508	142,993	5,319	122,907	5,236	122,364
	Corduroy .....	694	46,819	830	15,244	614	16,755	462	7,183	694	7,637
	More than 50 percent cotton .....	694	46,819	830	15,244	614	16,755	462	7,183	694	7,637
2211E 01	Finewales and pinwales ..	419	24,905	486	7,121	428	10,855	274	3,523	419	3,406
2211E 03	Midwales .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2211E 06	Widewales and other .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221H 01	Chiefly manmade fiber .....	-	-	-	-	-	-	-	-	-	-
	Velvets, plushes, and other pile fabrics .....	670	52,914	751	12,975	750	14,891	717	13,093	670	11,955
2211E 21	More than 50 percent cotton .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221H 11	Chiefly manmade fiber .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Terry cloth and terry toweling ..	3,872	421,141	4,106	104,391	4,144	111,347	4,140	102,631	3,872	102,772
2211E 32	Terry toweling .....	3,761	407,950	3,947	101,006	3,976	108,339	3,980	98,984	3,761	99,621
2211E 34	Terry cloth .....	111	13,191	159	3,385	168	3,008	160	3,647	111	3,151

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies.

Table 7. **PRODUCTION AND LOOM ASSIGNMENT OF WOOLEN AND WORSTED FABRICS, INCLUDING CHIEFLY MANMADE/WOOL BLENDS AND CHIEFLY COTTON/WOOL BLENDS: 1992**

[Looms operating in number; production in thousands of square yards]

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
	Woolen and worsted fabrics, 36 percent or more wool (except felts) <sup>1</sup> .....	1,778	176,285	1,882	45,660	1,985	47,199	1,898	43,910	1,778	39,516
	Apparel fabrics, including government orders .....	1,679	167,701	1,768	43,929	1,873	45,455	1,794	40,874	1,679	37,443
22312 01	Worsted fabrics .....	1,086	103,544	1,075	27,773	1,173	27,671	1,098	24,347	1,086	23,753
	Weighing not more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
22312 02	Weighing more than 5.9 ounces per square yard ..	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Woolen fabrics .....	593	64,157	693	16,156	700	17,784	696	16,527	593	13,690
22312 21	Weighing not more than 9 ounces per square yard ..	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
22312 23	Weighing more than 9 ounces per square yard ..	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Nonapparel fabrics, including government orders (except felts) .....	99	8,584	114	1,731	112	1,744	104	3,036	99	2,073
22312 62	Blanketing, including thermal .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
22312 61	Upholstery fabric .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
22312 85	All other fabrics .....	54	2,755	55	707	55	686	53	661	54	701

See footnotes at end of table.



Table 7. PRODUCTION AND LOOM ASSIGNMENT OF WOOLEN AND WORSTED FABRICS, INCLUDING CHIEFLY MANMADE/WOOL BLENDS AND CHIEFLY COTTON/WOOL BLENDS: 1992—Continued

[Looms operating in number; production in thousands of square yards]

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
22312 92	Woven felts (thousands of pounds).....	115	4,068	112	1,148	110	1,093	117	975	115	852
	Chiefly manmade/wool blend and chiefly cotton/wool blend fabrics .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Chiefly spun polyester mixed mainly or solely with wool ...	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221H 21	Woolen.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221H 25	Worsted.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Weighing not more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221H 27	Weighing more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221H 32	All other chiefly spun fibers mixed mainly or solely with wool .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Chiefly filament polyester mixed mainly or solely with wool or spun polyester/wool blends (less than 36 percent wool).....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221H 51	Woolen.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Worsted.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221H 53	Weighing not more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221H 55	Weighing more than 5.9 ounces per square yard .....	-	-	-	-	-	-	-	-	-	-
2221H 63	All other chiefly filament yarn mixed mainly or solely with wool .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. \*Revised by 5 percent or more from previously published figures.

<sup>1</sup>Includes fabrics 36 percent or more wool or reprocessed wool by weight. 1986 and prior years include fabrics 50 percent or more wool or reprocessed wool by weight.



Table 8. **PRODUCTION AND LOOM ASSIGNMENT OF UPHOLSTERY FABRICS: 1992**

[Looms operating in number; production in thousands of square yards]

Product code	Product description	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
		Looms operating end of year	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production	Looms operating	Production
	Upholstery fabrics . . . . .	3,793	380,680	3,669	92,863	3,960	103,162	3,828	95,619	3,793	89,036
	85 percent or more spun yarn and spun filament combinations . . . . .	3,064	297,908	2,993	74,001	3,176	80,871	3,062	73,660	3,064	69,376
2211E 41	Pile woven . . . . .	572	59,060	700	'15,203	692	'17,081	671	14,986	'572	11,790
	All cotton and chiefly cotton . . . . .	20	672	'23	195	'20	160	'21	180	'20	'137
2221H 41	All manmade and chiefly manmade . . . . .	552	58,388	677	'15,008	672	'16,921	650	14,806	552	11,653
2211X 01	Flat woven . . . . .	2,492	238,848	2,293	58,798	2,484	63,790	2,391	58,674	2,492	57,586
	All cotton and chiefly cotton . . . . .	772	71,312	747	19,425	792	20,150	745	16,612	772	15,125
	All manmade and chiefly manmade . . . . .	1,720	167,536	1,546	39,373	1,692	43,640	1,646	42,062	1,720	42,461
2221X 01	Olefin . . . . .	417	39,820	342	'8,422	340	'10,661	342	9,970	417	10,767
2221X 03	All other flat woven manmade fiber fabrics . . . . .	1,303	127,716	1,204	30,951	1,352	32,979	1,304	32,092	1,303	31,694
	85 percent or more filament yarn . . . . .	729	82,772	676	18,862	784	22,291	766	21,959	729	19,660
2221X 01	All polyester and chiefly polyester . . . . .	276	30,344	290	6,577	341	8,429	341	8,336	276	7,002
2221X 03	All nylon and chiefly nylon . . . . .	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
2221X 05	All olefin and chiefly olefin . . . . .	357	47,799	317	11,389	351	12,522	339	12,181	357	11,707
2221X 07	All other filament fiber fabrics . . . . .	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

Note: These data are included in the data shown in tables 4 and 5.

(D) Data withheld to avoid disclosing figures for individual companies.

'Revised by 5 percent or more from previously published figures.

Table 9. **PRODUCTION OF TIRE CORD AND TIRE CORD FABRICS: 1992**

[Thousands of pounds]

Product code	Product description	Production				
		Total	First quarter	Second quarter	Third quarter	Fourth quarter
22960 00	Tire cord and tire cord fabrics . . . . .	762,849	'190,258	192,680	190,275	189,636
22960 12	Cotton tire cord and tire cord fabrics . . . . .	-	-	-	-	-
22960 32	Rayon tire cord and tire cord fabrics . . . . .	1,858	648	434	462	314
22960 35	Nylon tire cord and tire cord fabrics . . . . .	150,501	39,406	39,394	37,732	33,969
22960 37	Polyester tire cord and tire cord fabrics . . . . .	206,441	52,460	50,973	48,953	54,055
22960 38	Glass tire cord and tire cord fabrics . . . . .	1,083	230	330	308	215
22960 45	Steel tire cord . . . . .	387,964	'93,703	97,731	99,011	97,519
22960 49	All other tire cord and tire cord fabrics including chafer . . . . .	15,002	3,811	3,818	3,809	3,564

- Represents zero.

'Revised by 5 percent or more from previously published figures.



Table 10. **LOOMS IN PLACE AND LOOM HOURS OPERATED IN BROADWOVEN FABRIC MILLS: 1992**

[Looms in place in number; loom hours in thousands]

Type of loom	Total		First quarter		Second quarter		Third quarter		Fourth quarter	
	Looms in place Dec. 31, 1992	Looms hours operated	Looms in place	Looms hours operated	Looms in place	Looms hours operated	Looms in place	Looms hours operated	Looms in place	Loom hours operated
Total .....	94,286	684,252	97,544	176,748	97,858	175,393	95,539	170,102	94,286	162,009
Shuttle type looms .....	29,102	204,744	32,468	56,636	31,457	52,700	30,432	50,291	29,102	45,117
Single shuttle cam looms .....	20,458	143,171	22,479	39,021	21,778	36,926	21,136	34,835	20,458	32,389
Single shuttle dobby looms .....	4,812	39,569	6,031	11,729	5,592	10,466	5,386	9,418	4,812	7,956
Multiple shuttle box or head motion looms .....	2,448	13,841	2,438	3,622	2,603	3,270	2,436	3,885	2,448	3,064
Double shuttle pile and plush, and jacquard looms .....	1,384	8,163	1,520	2,264	1,484	2,038	1,474	2,153	1,384	1,708
Shuttleless looms and weaving machines .....	65,184	479,508	65,076	120,112	66,401	122,693	65,107	119,811	65,184	116,892
Single filling insertion capability .....	38,922	302,258	38,952	76,008	39,258	77,180	38,842	75,054	38,922	74,016
Air jet looms .....	15,660	123,772	15,494	31,222	15,630	31,232	15,582	30,945	15,660	30,373
Water jet looms .....	6,039	44,811	5,974	11,378	6,028	11,664	6,009	11,397	6,039	10,372
Projectile looms .....	12,361	97,689	12,301	24,097	12,653	24,840	12,443	24,116	12,361	24,636
Rapier looms .....	4,862	35,986	5,183	9,311	4,947	9,444	4,808	8,596	4,862	8,635
Multiple filling insertion capability .....	25,532	172,863	25,318	43,065	26,333	44,356	25,539	43,596	25,532	41,846
Air jet looms .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Water jet looms .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Projectile looms .....	10,260	74,442	10,473	18,946	10,716	19,393	10,436	18,120	10,260	17,983
Rapier looms .....	11,922	73,456	11,834	18,221	12,056	18,465	11,829	18,913	11,922	17,857
Pile and plush looms .....	730	4,387	806	1,039	810	1,157	726	1,161	730	1,030

(D) Data withheld to avoid disclosing figures for individual companies.

'Revised by 5 percent or more from previously published figures.



Table 11. **PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF BROADWOVEN FABRICS: 1992**

[Quantity in thousands of square yards; value in thousands of dollars]

Product description	Manufactures <sup>1</sup> shipments <sup>1</sup> (quantity)	Imports for consumption <sup>2</sup>		Percent imports to manufactures <sup>3</sup> shipments (quantity)	Exports of domestic merchandise <sup>4</sup>		Percent exports to manufactures <sup>3</sup> shipments (quantity)	Apparent consumption <sup>5</sup>
		Quantity	Value <sup>3</sup>		Quantity	Value		
Cotton fabrics <sup>6</sup> .....	3,845,875	1,594,472	1,623,436	41.5	197,411	417,998	5.1	5,242,936
Cheesecloth and batistes. ....	(D)	38,963	26,366	(D)	27,480	48,030	(D)	(D)
Print cloth .....	359,998	333,544	214,217	92.7	4,385	8,413	1.2	689,157
Poplin and broadcloth .....	43,993	258,142	209,382	586.8	20,991	41,013	47.7	281,144
Weighing 5.9 ounces or less per square yard .....	33,139	253,893	200,438	766.2	9,773	24,245	29.5	277,259
Weighing more than 5.9 ounces per square yard .....	10,855	4,249	8,944	39.1	11,218	16,768	103.4	3,885
Duck, including tape warp .....	(D)	87,584	76,228	(D)	12,757	28,609	(D)	(D)
Sheeting .....	577,214	385,458	284,361	66.8	15,405	33,081	2.7	947,267
Twills and sateens. ....	464,424	238,908	306,283	51.4	21,169	41,256	4.6	682,162
Oxfords .....	52,241	9,206	23,122	17.6	(NA)	(NA)	(NA)	(NA)
All other constructions .....	173,947	61,673	117,123	35.5	(NA)	(NA)	(NA)	(NA)
Blue Denim .....	647,498	86,931	157,547	13.4	61,583	151,959	9.5	672,846
Yarn dyed fabric .....	301,970	85,017	175,702	28.2	29,018	51,015	9.6	357,969
Pile fabrics except terry, including yarn dyed. ....	41,073	7,896	31,416	19.2	2,484	8,223	6.0	46,484
Terry, including yarn dyed .....	352,125	1,152	1,689	0.3	2,138	6,399	0.6	351,138
Manmade fiber fabrics. ....	9,479,023	792,140	1,181,844	8.4	300,357	684,732	3.2	9,970,807
85 percent or more filament yarn fabrics. ....	4,790,212	359,260	567,360	7.5	171,359	402,211	3.6	4,978,112
Nylon and polyester high tenacity fabric. ....	79,830	10,140	29,862	12.7	31,998	67,903	40.1	57,972
Rayon high tenacity fabric .....	15,673	539	1,368	3.4	5,262	12,947	33.6	10,950
Typewriter fabric. ....	88,125	94	252	0.1	(NA)	(NA)	(NA)	(NA)
Rayon or acetate filament yarn fabrics. ....	634,198	20,910	55,668	3.3	11,169	25,390	1.8	643,940
Polyester filament yarn fabric. ....	617,748	196,470	365,497	31.8	55,384	91,606	9.0	758,835
Glass fiber fabric .....	303,047	38,934	48,182	12.8	14,781	50,481	4.9	327,199
Nylon filament yarn fabric. ....	329,523	29,608	37,736	9.0	(NA)	(NA)	(NA)	(NA)
85 percent or more filament yarn obtained from strip .....	(D)	57,304	14,941	(D)	12,090	35,306	(D)	(D)
All other filament yarn fabric. ....	(D)	5,261	13,854	(D)	40,675	118,578	(D)	(D)
85 percent or more spun yarn fabric. ....	3,540,015	289,895	312,325	8.2	105,605	237,302	3.0	3,724,305
Cheesecloth and batistes. ....	158,459	18,215	13,711	11.5	}	(NA)	(NA)	(NA)
Poplin and broadcloth .....	479,564	78,505	67,329	16.4				
Poly/cotton blends weighing less than 5.0 ounces per square yard .....	374,806	72,916	55,621	19.5				
Poly/cotton blends weighing more than 5.0 ounces per square yard .....	36,368	1,294	2,156	3.6				
All other spun yarns .....	68,390	4,295	9,552	6.3				
Print cloth. ....	596,983	67,916	38,287	11.4				
Duck .....	18,694	734	2,459	3.9				
Sheeting .....	1,487,952	27,475	25,251	1.8				
Poly/cotton blends weighing 5.0 ounces or less per square yard .....	1,304,435	20,721	12,872	1.6				
Poly/cotton blends weighing more than 5.0 ounces per square yard ..	36,176	1,441	1,503	4.0				
All other spun yarn .....	147,340	5,313	10,876	3.6				
Sateens or twills. ....	405,145	69,819	72,915	17.2				
Oxford .....	37,422	262	435	0.7				
All other spun manmade fiber fabrics. ....	140,059	11,159	41,150	8.0				
Yarn dyed fabric. ....	173,421	8,608	12,791	5.0				
Pile fabrics .....	42,316	7,202	37,997	17.0				
Spun/filament yarn combinations, including yarn dyed. ....	1,088,263	119,572	222,159	11.0	23,393	45,219	2.1	1,184,443
Poplin and broadcloth .....	256,803	75,218	113,002	29.3	(NA)	(NA)	(NA)	(NA)
Sheeting .....	(D)	1,892	4,811	(D)	(NA)	(NA)	(NA)	(NA)
Print cloth .....	(D)	12,137	10,550	(D)	(NA)	(NA)	(NA)	(NA)
Twills and sateens .....	(D)	5,126	15,409	(D)	(NA)	(NA)	(NA)	(NA)
All other .....	296,689	25,200	78,387	8.5	(NA)	(NA)	(NA)	(NA)
Chiefly manmade/wool blends. ....	60,533	23,413	80,000	38.7	(NA)	(NA)	(NA)	(NA)
Silk fabrics. ....	810	26,495	301,810	3,270.1	2,523	19,369	311.4	24,782
Wool fabrics .....	147,395	27,230	277,165	18.5	5,775	33,376	3.9	168,850

Note: Fabric blends as shown in Current Industrial Reports Series MQ22T are reported based on the chief weight of the fiber; whereas, fabric blends as shown for imports and exports are based on the chief value of the fiber.

(D) Data withheld to avoid disclosing figures for individual companies. (NA) Not available.

<sup>1</sup>Represents production of gray broadwoven fabrics; import and export data represent gray as well as finished broadwoven fabrics. For a comparison of Standard Industrial Classification (SIC) based product codes with Schedule B export numbers and HTSUSA import numbers, see table 12. <sup>2</sup>Source: Bureau of the Census Report IM 145, U.S. Imports for Consumption. <sup>3</sup>This dollar value represents the c.i.f. (cost, insurance, and freight) at the first port of entry in the United States plus calculated import duty. <sup>4</sup>Source: Bureau of the Census Report EM 545, U.S. Exports. <sup>5</sup>Apparent consumption represents new domestic supply and is derived by subtracting exports from the total manufacturers' shipments plus imports. <sup>6</sup>Includes all cotton and chiefly cotton mixed with manmade fiber.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1992

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2211B 02, 2211B 42	Cotton cheesecloth and batistes	5208.11.2090, 5208.11.4090, 5208.11.6000, 5208.11.8090, 5208.12.4090, 5208.12.6090, 5208.12.8090, 5208.21.2090, 5208.21.4090, 5208.21.6090, 5208.22.4090, 5208.22.6090, 5208.22.8090, 5208.31.4090, 5208.31.6090, 5208.31.8090, 5208.32.3090, 5208.32.4090, 5208.32.5090, 5208.51.4090, 5208.51.6090, 5208.51.8090, 5208.52.3090, 5208.52.4090, 5208.52.5090, 5210.11.4090, 5210.11.6090, 5210.11.8090, 5210.21.4090, 5210.21.6090, 5210.21.8090, 5210.31.4090, 5210.31.6090, 5210.31.8090, 5210.51.4090, 5210.51.6090, 5210.51.8090, 5211.51.0090	5208.11.2090, 5208.11.4090, 5208.11.9000, 5208.12.4090, 5208.12.6090, 5208.12.8090, 5208.21.2090, 5208.21.4090, 5208.21.6090, 5208.22.4090, 5208.22.6090, 5208.22.8090, 5208.31.4090, 5208.31.6090, 5208.31.8090, 5208.32.3090, 5208.32.4090, 5208.32.5090, 5208.51.4090, 5208.51.6090, 5208.51.8090, 5208.52.3090, 5208.52.4090, 5208.52.5090, 5210.11.4090, 5210.11.6090, 5210.11.8090, 5210.21.4090, 5210.21.6090, 5210.21.8090, 5210.31.4090, 5210.31.6090, 5210.31.8090, 5210.51.4090, 5210.51.6090, 5210.51.8090, 5211.11.0090, 5211.21.0090, 5211.31.0090, 5211.41.0090, 5211.51.0090
2211B 12	Cotton print cloth	5208.11.4060, 5208.12.6060, 5208.21.4060, 5208.22.6060, 5208.31.6060, 5208.32.4060, 5208.51.6060, 5208.52.4060, 5210.11.6060, 5210.21.6060, 5210.31.6060, 5210.51.6060	5208.11.4060, 5208.12.6060, 5208.21.4060, 5208.22.6060, 5208.31.6060, 5208.32.4060, 5208.51.6060, 5208.52.4060, 5210.11.6060, 5210.21.6060, 5210.31.6060, 5210.51.6060

See footnotes at the end of the table.



Table 12. **COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1992—Continued**

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2211B 22	Cotton poplin and broadcloth (5.9 ounces or less per square yard)	5208.11.2020, 5208.11.4020, 5208.11.8020, 5208.12.4020, 5208.12.6020, 5208.12.8020, 5208.21.2020, 5208.21.4020, 5208.21.6020, 5208.22.4020, 5208.22.6020, 5208.22.8020, 5208.31.4020, 5208.31.6020, 5208.31.8020, 5208.32.3020, 5208.32.4020, 5208.32.5020, 5208.51.4020, 5208.51.6020, 5208.51.8020, 5208.52.3020, 5208.52.4020, 5208.52.5020, 5210.11.4020, 5210.11.6020, 5210.11.8020, 5210.21.4020, 5210.21.6020, 5210.21.8020, 5210.31.4020, 5210.31.6020, 5210.31.8020, 5210.51.4020, 5210.51.6020, 5210.51.8020	5208.11.2020, 5208.11.4020, 5208.11.8020, 5208.12.4020, 5208.12.6020, 5208.12.8020, 5208.21.2020, 5208.21.4020, 5208.21.6020, 5208.22.4020, 5208.22.6020, 5208.22.8020, 5208.31.4020, 5208.31.6020, 5208.31.8020, 5208.32.3020, 5208.32.4020, 5208.32.5020, 5208.51.4020, 5208.51.6020, 5208.51.8020, 5208.52.3020, 5208.52.4020, 5208.52.5020, 5210.11.4020, 5210.11.6020, 5210.11.8020, 5210.21.4020, 5210.21.6020, 5210.21.8020, 5210.31.4020, 5210.31.6020, 5210.31.8020, 5210.51.4020, 5210.51.6020, 5210.51.8020
2211B 32, 2211B 36	Cotton poplin and broadcloth (more than 5.9 ounces per square yard)	5209.11.0020, 5209.21.0020, 5209.31.6020, 5209.51.6020, 5211.11.0020, 5211.21.0020, 5211.31.0020, 5211.51.0020	5209.11.0020, 5209.21.0020, 5209.31.6020, 5209.51.6020, 5211.11.0020, 5211.21.0020, 5211.31.0020, 5211.51.0020
2211B 71	Cotton duck	5209.11.0090, 5209.19.0060, 5209.21.0090, 5209.29.0060, 5209.31.6090, 5209.39.0060, 5209.51.6090, 5209.59.0060, 5211.11.0090, 5211.19.0060, 5211.21.0090, 5211.29.0060, 5211.31.0090, 5211.39.0060, 5211.51.0090, 5211.59.0060	5209.11.0090, 5209.21.0090, 5209.31.6090, 5209.51.6090, 5211.11.0090, 5211.21.0090, 5211.31.0090, 5211.51.0090

See footnotes at the end of the table.



Table 12. **COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1992—Continued**

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2211B 51, 2211B 62, 2211B 64, 2211B 66	Cotton sheeting	5208.11.2040, 5208.11.4040, 5208.12.4040, 5208.12.6040, 5208.21.2040, 5208.21.4040, 5208.22.4040, 5208.22.6040, 5208.31.4040, 5208.31.6040, 5208.32.3040, 5208.32.4040, 5208.51.4040, 5208.51.6040, 5208.52.3040, 5208.52.4040, 5209.11.0030, 5209.11.0050, 5209.21.0030, 5209.21.0050, 5209.31.6030, 5209.31.6050, 5209.51.6030, 5209.51.6050, 5210.11.4040, 5210.11.6040, 5210.21.4040, 5210.21.6040, 5210.31.4040, 5210.31.6040, 5210.51.4040, 5210.51.6040, 5211.11.0030, 5211.11.0050, 5211.21.0030, 5211.21.0050, 5211.31.0030, 5211.31.0050, 5211.51.0030, 5211.51.0050	5208.11.2040, 5208.11.4040, 5208.12.4040, 5208.12.6040, 5208.21.2040, 5208.21.4040, 5208.22.4040, 5208.22.6040, 5208.31.4040, 5208.31.6040, 5208.32.3040, 5208.32.4040, 5208.51.4040, 5208.51.6040, 5208.52.3040, 5208.52.4040, 5209.11.0040, 5209.21.0040, 5209.31.6040, 5209.51.6040, 5210.11.4040, 5210.11.6040, 5210.21.4040, 5210.21.6040, 5210.31.4040, 5210.31.6040, 5210.51.4040, 5210.51.6040, 5211.11.0040, 5211.21.0040, 5211.31.0040, 5211.51.0040

See footnotes at the end of the table.



Table 12. **COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1992—Continued**

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2211C 12, 2211C 22, 2211C 32, 2211C 34, 2211C 05	Cotton twills and sateens	5208.13.0000, 5208.19.2020, 5208.19.2090, 5208.23.0000, 5208.29.2020, 5208.29.2090, 5208.33.0000, 5208.39.2020, 5208.39.2090, 5208.53.0000, 5208.59.2020, 5208.59.2090, 5209.12.0020, 5209.12.0040, 5209.19.0020, 5209.19.0040, 5209.22.0020, 5209.22.0040, 5209.29.0020, 5209.29.0040, 5209.32.0020, 5209.32.0040, 5209.39.0020, 5209.39.0040, 5209.52.0020, 5209.52.0040, 5209.59.0020, 5209.59.0040, 5210.12.0000, 5210.19.2020, 5210.19.2090, 5210.22.0000, 5210.29.2020, 5210.29.2090, 5210.32.0000, 5210.39.2020, 5210.39.2090, 5210.52.0000, 5210.59.2020, 5210.59.2090, 5211.12.0020, 5211.12.0040, 5211.19.0020, 5211.19.0040, 5211.22.0020, 5211.22.0040, 5211.29.0020, 5211.29.0040, 5211.32.0020, 5211.32.0040, 5211.39.0020, 5211.39.0040, 5211.52.0020, 5211.52.0040, 5211.59.0020, 5211.59.0040	5208.13.0000, 5208.19.2000, 5208.23.0000, 5208.29.2000, 5208.33.0000, 5208.39.2000, 5208.53.0000, 5208.59.2000, 5209.12.0000, 5209.19.0030, 5209.22.0000, 5209.29.0030, 5209.32.0000, 5209.39.0030, 5209.52.0000, 5209.59.0030, 5210.12.0000, 5210.19.2000, 5210.22.0000, 5210.29.2000, 5210.32.0000, 5210.39.2000, 5210.52.0000, 5210.59.2000, 5211.12.0000, 5211.19.0030, 5211.22.0000, 5211.29.0030, 5211.32.0000, 5211.39.0030, 5211.52.0000, 5211.59.0030
2211C 01, 2211C 03	Blue denim	5209.42.0020, 5211.42.0020, 5209.42.0040, 5211.42.0040	5209.42.0020, 5211.42.0020, 5209.42.0020, 5211.42.0040

See footnotes at the end of the table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1992—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2211E 00	Pile fabrics (including yarn-dyed)	5801.21.0000- 5801.26.0020, 5802.11.0000, 5802.19.0000, 5802.20.0000, 5802.30.0020, 5802.30.0030, 5802.30.0090	5801.21.0000- 5801.26.0000, 5802.11.0000- 5802.30.9000
2211X XX	Cotton yarn dyed	5208.41.4000- 5208.41.8000, 5208.42.3000- 5208.42.5000, 5208.43.0000- 5208.49.8090, 5209.41.6020, 5209.41.6040, 5209.43.0020- 5209.49.0090, 5210.41.4000- 5210.49.8090, 5211.41.0020, 5211.41.0040, 5211.43.0020- 5211.49.0090	5208.41.9000, 5208.42.9000, 5208.43.0000, 5208.49.2000, 5208.49.9000, 5209.41.6070, 5209.43.0000, 5209.49.0000, 5210.41.0000- 5210.49.9000, 5211.41.0000, 5211.43.0000, 5211.49.0000
2211D 12	Cotton oxfords	5208.19.4020, 5208.19.6020, 5208.19.8020, 5208.29.4020, 5208.29.6020, 5208.29.8020, 5208.39.4020, 5208.39.6020, 5208.39.8020, 5208.59.4020, 5208.59.6020, 5208.59.8020, 5210.19.4020, 5210.19.6020, 5210.19.8020, 5210.29.4020, 5210.29.6020, 5210.29.8020, 5210.39.4020, 5210.39.6020, 5210.39.8020, 5210.59.4020, 5210.59.6020, 5210.59.8020	5208.19.9000, 5208.29.9000, 5208.39.9000, 5208.59.9000, 5209.19.0070, 5209.29.0070, 5209.39.0070, 5209.59.0070, 5210.19.9000, 5210.29.9000, 5210.39.9000, 5210.59.9000, 5211.19.0070, 5211.29.0070, 5211.39.0070, 5211.59.0070

See footnotes at the end of the table.



Table 12. **COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1992—Continued**

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2211D 32, 2211D 35, 2211D 45, 2211D 52, 2211D 62, 2211D 64	All other constructions	5208.19.4090, 5208.19.6090, 5208.19.8090, 5208.29.4090, 5208.29.6090, 5208.29.8090, 5208.39.4090, 5208.39.6090, 5208.39.8090, 5208.59.4090, 5208.59.6090, 5208.59.8090, 5209.19.0090, 5209.29.0090, 5209.39.0080, 5209.39.0090, 5209.59.0090, 5210.19.4090, 5210.19.6090, 5210.19.8090, 5210.29.4090, 5210.29.6090, 5210.29.8090, 5210.39.4090, 5210.39.6090, 5210.39.8090, 5210.59.4090, 5210.59.6090, 5210.59.8090, 5211.19.0090, 5211.29.0090, 5211.39.0090, 5211.59.0090	5208.19.9000, 5208.29.9000, 5208.39.9000, 5208.59.9000, 5209.19.0070, 5209.29.0070, 5209.39.0070, 5209.59.0070, 5210.19.9000, 5210.29.9000, 5210.39.9000, 5210.59.9000, 5211.19.0070, 5211.29.0070, 5211.39.0070, 5211.59.0070
2221C 01, 2221C 03	Nylon and polyester high tenacity fabrics	5407.10.0010, 5407.10.0090	5407.10.0000
2221B 01	Rayon high tenacity fabrics	5408.10.0000	5408.10.0000
2221C 11	Typewriter fabrics	5407.41.0010, 5407.41.0020	
2221C 13, 2221C 15, 2221C 23, 2221C 25, 2221C 31, 2221C 33	Other nylon filament fabrics	5407.41.0030- 5407.44.0060	5407.41.0000- 5407.44.0000
2221B 21, 2221B 23, 2221B 25, 2221B 27, 2221B 41, 2221B 43, 2221B 51, 2221B 53	Rayon and acetate filament yarn fabrics	5408.21.0030- 5408.24.0060	5408.21.0000- 5408.24.0000

See footnotes at the end of the table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1992—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221C 43, 2221C 44, 2221C 45, 2221C 50, 2221C 62, 2221C 66, 2221C 73	Polyester filament yarn fabric	5407.51.0020, 5407.51.0040, 5407.51.0060, 5407.52.2020, 5407.52.2040, 5407.52.2060, 5407.53.2020, 5407.53.2040, 5407.53.2060, 5407.54.0020, 5407.54.0040, 5407.54.0060, 5407.60.2005, 5407.60.2010, 5407.60.2015, 5407.60.2025, 5407.60.2030, 5407.60.2035, 5407.60.2045, 5407.60.2050, 5407.60.2055, 5407.60.2065, 5407.60.2070, 5407.60.2075	5407.51.0000, 5407.52.0000, 5407.53.0000, 5407.54.0000
2221C 82, 2221C 89	Glass fiber fabrics	7019.20.2000, 7019.20.5000	7019.20.4000
2221C 92, 2221C 93	All other filament yarn fabrics	5407.71.0030- 5407.74.0060	5407.71.0000- 5407.74.0000
2221D 04, 2221D 08, 2221D 43, 2221D 44	Chiefly manmade fiber cheesecloth, lawns, and batistes	5512.11.0040, 5512.19.0035, 5512.21.0040, 5512.29.0030, 5512.91.0040, 5512.99.0030, 5513.11.0090, 5513.19.0040, 5513.21.0090, 5513.29.0040, 5513.41.0090, 5513.49.0040, 5515.11.0030, 5515.19.0030, 5515.29.0030, 5515.99.0030, 5516.41.0040, 5516.42.0040, 5516.44.0040, 5516.91.0040, 5516.92.0040, 5516.94.0040	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000
2221D 24, 2221D 26	Poplin and broadcloth poly/cotton (5.0 ounces or less per square yard)	5513.11.0020, 5513.21.0020, 5513.41.0020	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000

See footnotes at the end of the table.



Table 12. **COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1992—Continued**

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221D 28, 2221D 32	Poplin and broadcloth poly/cotton (over 5.0 ounces per square yard)	5514.11.0020, 5514.21.0020, 5514.41.0020	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000
2211D 34	Poplin and broadcloth, all other spun yarn	5512.11.0010, 5512.19.0015, 5512.21.0010, 5512.29.0015, 5512.91.0010, 5512.99.0015, 5513.19.0010, 5513.29.0010, 5513.49.0010, 5514.19.0010, 5514.29.0010, 5514.49.0010, 5515.11.0015, 5515.19.0015, 5515.29.0015, 5515.99.0015, 5516.41.0010, 5516.42.0010, 5516.44.0010, 5516.91.0010, 5516.92.0010, 5516.94.0010	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000
2221D 14	Poly/cotton print cloth	5513.11.0060, 5513.21.0060, 5513.41.0060	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000
2221D 16, 2221D 18	Other spun yarn, chiefly manmade fiber print cloth	5512.11.0030, 5512.19.0030, 5512.21.0030, 5512.29.0025, 5512.91.0030, 5512.99.0025, 5513.19.0030, 5513.29.0030, 5513.49.0030, 5515.11.0025, 5515.19.0025, 5515.29.0025, 5515.99.0025, 5516.41.0030, 5516.42.0030, 5516.44.0030, 5516.91.0030, 5516.92.0030, 5516.94.0030	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000

See footnotes at the end of the table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1992—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221D 88, 2221D 92	Duck	5512.11.0050, 5512.19.0040, 5512.21.0050, 5512.29.0035, 5512.91.0050, 5512.99.0035, 5514.11.0090, 5514.13.0040, 5514.19.0030, 5514.21.0090, 5514.23.0040, 5514.29.0030, 5514.41.0090, 5514.43.0040, 5514.49.0030, 5515.11.0035, 5515.19.0035, 5515.29.0035, 5515.99.0035, 5516.41.0050, 5516.42.0050, 5516.44.0050, 5516.91.0050, 5516.92.0050, 5516.94.0050	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000
2221D 51, 2221D 53, 2221D 74, 2221D 76	Poly-cotton sheeting	5513.11.0040, 5513.21.0040, 5513.41.0040, 5514.11.0030, 5514.11.0050, 5514.21.0030, 5514.21.0050, 5514.41.0030, 5514.41.0050	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000
2221D 55, 2221D 64, 2221D 66, 2221D 82, 2221D 84, 2221D 86	Other manmade fiber spun yarn sheeting	5512.11.0022, 5512.11.0027, 5512.19.0022, 5512.19.0027, 5512.21.0020, 5512.29.0020, 5512.91.0020, 5512.99.0020, 5513.19.0020, 5513.29.0020, 5513.49.0020, 5514.19.0020, 5514.29.0020, 5514.49.0020, 5515.11.0020, 5515.19.0020, 5515.29.0020, 5515.99.0020, 5516.41.0022, 5516.41.0027, 5516.42.0022, 5516.42.0027, 5516.44.0022, 5516.44.0027, 5516.91.0020, 5516.92.0020, 5516.94.0020	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000

See footnotes at the end of the table.



Table 12. **COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1992—Continued**

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221E 03, 2221G 46	Manmade fiber blue denim	5512.19.0010, 5512.29.0010, 5512.99.0010, 5514.32.0010, 5514.39.0010, 5515.11.0010, 5515.19.0010, 5515.29.0010, 5515.99.0010, 5516.43.0010, 5516.93.0010	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000
2221E 14, 2221E 22, 2221E 24, 2221E 26, 2221E 28, 2221F 05, 2221F 07	Twills and sateens	5512 11.0060, 5512.19.0045, 5512.21.0060, 5512.29.0040, 5512.91.0060, 5512.99.0040, 5513.12.0000, 5513.13.0020, 5513.19.0050, 5513.22.0000, 5513.23.0020, 5513.29.0050, 5513.32.0000, 5513.43.0020, 5513.42.0000, 5513.49.0050, 5514.12.0020, 5514.12.0040, 5514.13.0020, 5514.19.0040, 5514.22.0020, 5514.22.0040, 5514.23.0020, 5514.29.0040, 5514.42.0020, 5514.42.0040, 5514.43.0020, 5514.49.0040, 5515.11.0040, 5515.19.0040, 5515.29.0040, 5515.99.0040, 5516.11.0020, 5516.12.0020, 5516.14.0020, 5516.41.0060, 5516.42.0060, 5516.44.0060, 5516.91.0060, 5516.92.0060, 5516.94.0060	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000

See footnotes at the end of the table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1992—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221F 12, 2221F 16	Oxfords	5512.11.0070, 5512.19.0050, 5512.21.0070, 5512.29.0045, 5512.91.0070, 5512.99.0045, 5513.13.0040, 5513.19.0060, 5513.23.0040, 5513.29.0060, 5513.43.0040, 5513.49.0060, 5515.11.0045, 5515.19.0045, 5515.29.0045, 5515.99.0045, 5516.41.0070, 5516.42.0070, 5516.44.0070, 5516.91.0070, 5516.92.0070, 5516.94.0070	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000
2221X XX	Manmade fiber yarn dyed	5512.19.0005, 5512.29.0005, 5512.99.0005, 5513.31.0000- 5513.39.0090, 5514.31.0000, 5514.32.0090, 5514.33.0010, 5514.33.0090, 5514.39.0020, 5514.39.0090, 5515.11.0005, 5515.19.0005, 5515.29.0005, 5515.99.0005, 5516.13.0000, 5516.43.0020- 5516.43.0090, 5516.93.0020, 5516.93.0090	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000

See footnotes at the end of the table.



Table 12. **COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1992—Continued**

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221F 33, 2221F 36, 2221F 42, 2221F 44, 2221F 52, 2221F 54, 2221F 56, 2221F 58	All other manmade fiber spun yarn	5512.11.0090, 5512.19.0090, 5512.21.0090, 5512.29.0090, 5512.91.0090, 5512.99.0090, 5513.13.0090, 5513.19.0090, 5513.23.0090, 5513.29.0090, 5513.43.0090, 5513.49.0090, 5514.13.0090, 5514.19.0090, 5514.23.0090, 5514.29.0090, 5514.43.0090, 5514.49.0090, 5515.11.0090, 5515.19.0090, 5515.29.0090, 5515.99.0090, 5516.41.0090, 5516.42.0090, 5516.44.0090, 5516.91.0090, 5516.92.0090, 5516.94.0090	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000
2221H 21, 2221H 22, 2221H 92, 2221H 98	Manmade/wool blends, chiefly manmade	5407.91.1000, 5407.92.1000, 5407.93.1000, 5407.94.1000, 5408.31.1000, 5408.32.1000, 5408.33.1000, 5408.34.1000, 5515.13.1000, 5515.22.1000, 5515.92.1000, 5516.31.1000- 5516.34.1000	5512.11.0000- 5514.49.0000, 5515.11.0000, 5515.19.0000, 5515.29.0000, 5515.99.0000, 5516.41.0000- 5516.94.0000

See footnotes at the end of the table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1992—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
2221G 04, 2221G 07, 2221G 19, 2221G 21, 2221G 77, 2221G 33, 2221G 45, 2221G 48, 2221G 39, 2221G 63, 2221G 68, 2221G 82, 2221G 84, 2221G 87	Spun/filament combinations	5407.81.0010- 5407.84.0090, 5407.91.2020- 5407.91.2090, 5407.92.2020- 5407.92.2090, 5407.93.2020- 5407.93.2090, 5407.94.2020- 5407.94.2090, 5408.31.2020- 5408.31.2090, 5408.32.9020- 5408.32.9090, 5408.33.9020- 5408.33.9090, 5408.34.9020- 5408.34.9090, 5515.12.0010- 5515.12.0090, 5515.21.0010- 5515.21.0090, 5515.91.0010- 5515.91.0090, 5516.21.0010- 5516.24.0090	5407.81.0000- 5407.94.0000, 5408.31.0000- 5408.34.0000, 5515.12.0000, 5515.21.0000, 5515.91.0000, 5516.21.0000- 5516.24.0000
2221H 01, 2221H 11	Manmade fiber pile	5801.31.0000- 5801.36.0020, 5802.20.0020, 5802.30.0030	5801.31.0000- 5801.36.0000, 5802.20.0000, 5802.30.0000
2221H 31	Silk fabrics	5007.10.3020- 5007.90.6090	5007.10.0000- 5007.90.0000

See footnotes at the end of the table.



Table 12. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED PRODUCT CODES WITH SCHEDULE B EXPORT NUMBERS, AND HTSUSA IMPORT NUMBERS: 1992—Continued

Product code	Product description	Import number <sup>1</sup>	Export number <sup>2</sup>
22312 01, 22312 02, 22312 21, 22312 23, 22312 62, 22312 85	Wool fabrics	5111.11.6000- 5112.90.6090, 5212.11.1010, 5212.11.1020, 5212.12.1010, 5212.12.1020, 5212.13.1010, 5212.13.1020, 5212.14.1010, 5212.14.1020, 5212.15.1010, 5212.15.1020, 5212.21.1010, 5212.21.1020, 5212.22.1010, 5212.22.1020, 5212.23.1010, 5212.23.1020, 5212.24.1010, 5212.24.1020, 5212.25.1010, 5212.25.1020, 5407.91.0510, 5407.91.0520, 5407.92.0510, 5407.92.0520, 5407.93.0510, 5407.93.0520, 5407.94.0510, 5407.94.0520, 5408.31.0510, 5408.31.0520, 5408.32.0510, 5408.32.0520, 5408.33.0510, 5408.33.0520, 5408.34.0510, 5408.34.0520, 5515.13.0510, 5515.13.0520, 5515.22.0510, 5515.22.0520, 5515.92.0510, 5515.92.0520, 5516.31.0510, 5516.31.0520, 5516.32.0510, 5516.32.0520, 5516.33.0510, 5516.33.0520, 5516.34.0510, 5516.34.0520, 5801.10.0000	5111.11.0000- 5112.90.0000, 5801.14.0000

<sup>1</sup>Source: *Harmonized Tariff Schedule of the United States, Annotated* (1992).

<sup>2</sup>Source: 1992 edition, *Harmonized System-Based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States*.



## DESCRIPTION OF SURVEY

**Scope of Survey.** This survey covers all companies manufacturing broadwoven fabrics (gray) in the United States, except very small firms (generally less than 5 employees) for which 1987 Census of Manufactures data were derived from administrative records of other Government agencies.

**Survey Methodology.** The statistics in this publication were collected by mail on Bureau of the Census quarterly Form MQ22T, Broadwoven Fabrics (Gray). The survey panel includes all known manufacturers of broadwoven fabrics (gray), except those very small firms excluded from the scope of the survey. Approximately 350 establishments are included.

Participation in the quarterly survey is voluntary. However, annual reports are required from those establishments that do not report quarterly. The annual summary includes revisions of quarterly data originally estimated (see "Reliability of Data" (1) below) for establishments which only report annually.

**Reliability of Data.** Survey error may result from several sources: (1) inability to obtain information about all cases in the survey, (2) response errors, (3) definitional difficulties, (4) differences in the interpretation of questions, (5) mistakes in recording or coding the data obtained, and (6) other errors of collection, response, coverage, and estimation for missing data. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is due to imputing data for nonrespondents, for late reporters, and for data which failed the edit. Missing figures are imputed based on quarter-to-quarter movements shown by reporting firms. Imputation generally is limited to a maximum of 10 percent for any one data cell. Figures with imputation rates greater than 10 percent are footnoted.

The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse, because the actual quarterly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is not precisely known, but is assumed to be small. The degree of uncertainty regarding the accuracy of the published data, however, increases as the percentage of imputation increases. Figures with imputation rates above 25 percent should be used with caution.

**Revisions to Previous Period Data.** Statistics for previous quarters may be revised as the result of corrected data from respondents, including the receipt of late reports for

which imputations were made as described above. Figures which have been revised by more than 5 percent from previously published figures are indicated by footnotes.

## EXPLANATION OF TERMS

*Woolen and Worsted Fabrics, Chiefly Wool.* Fabrics wholly or chiefly by weight of wool, reprocessed wool, or reused wool. Apparel fabrics include all fabrics that may be labeled as being made entirely of wool, reprocessed wool, and reused wool under the Wool Products Labeling Act. This includes blends of wool of sheep with, and fabrics entirely of mohair, cashmere, camel hair, alpaca, llama, and vicuna.

*Cotton Fabrics.* Fabrics wholly or chiefly by weight of cotton.

*Manmade Fiber Fabrics.* Fabrics wholly or chiefly by weight of manmade fibers.

*Blends and Mixtures.* Fabrics made from more than one fiber are classified in the same way as other fabrics, i.e., according to whether the fabric is chiefly cotton, wool, or manmade fiber. As examples, a fabric which is 55 percent cotton and 45 percent rayon is classified as cotton; a fabric which is 40 percent cotton, 30 percent rayon, and 30 percent acetate is classified as manmade.

Blends and mixtures which are by weight 50 percent natural fiber and 50 percent manmade fiber are, for purposes of continuity, classified in the manmade category.

*Production.* Represents total production of broadwoven gray fabrics by all weaving mills regardless of their primary activity.

*Units of Quantity.* Production is reported in thousands of square yards except for tire cord and tire cord fabrics, which are reported in thousands of pounds.

*Looms Operating.* Represents number of looms (assigned to the specific fabrics) operating at the end of the quarter.

*Spun Yarn Fabrics.* Includes all fabrics that contain 85 percent or more spun yarns.

*Filament Yarn Fabrics.* Includes all fabrics that contain 85 percent or more filament yarns.

*Spun/Filament Combinations.* Includes fabrics that are combinations of spun and filament yarn where neither the spun nor the filament yarns exceed 85 percent.

*Plain Weave Fabrics.* A fabric construction in which each yarn of the weft passes alternately over and under successive yarns of the warp and each yarn of the warp passes alternately over and under successive yarns of the weft.



*Tobacco, Cheese, and Bandage Cloth.* Fabrics of plain weave, weighing no more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), consisting of 85 or less warp ends and filling picks per square inch whether or not napped.

*Print Cloth.* Fabrics of plain weave, weighing no more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) of average yarn numbers 26-40, consisting of more than 85 singles yarns per square inch, of square construction, whether or not of yarns of different colors (yarn dyed), whether or not napped.

*Poplin and Broadcloth.* Fabrics of plain weave, not of square construction, whether or not napped, but does not include the following types—fabrics weighing no more than 5.9 ounces per square yard, containing 85 or less warp ends and filling picks per square inch, or fabrics weighing more than 5.9 ounces per square yard of average yarn number 15 or lower.

*Lawns, Voiles, and Batistes.* Fabrics of plain weave weighing no more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) consisting of more than 85 warp ends and filling picks per square inch, of square construction, of average yarn number 41 or higher, whether or not napped.

*Sheeting.* Fabrics of plain weave, whether or not napped, of the following types:

Fabrics weighing no more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), of square construction, containing more than 85 warp end and filling picks per square inch, of average yarn number 40 or lower, but not including print cloth.

Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) but does not include fabrics of which the warp or filling, or both, consist of multiple (folded) or cabled yarns, of average yarn number 15 or lower or fabrics of average yarn number 16 or higher number, not of square construction.

*Twill Weave Fabrics.* Fabrics in which the warp and filling yarns are interlaced in such a manner as to produce a diagonal or bias effect on the face of the fabric.

*Blue Denim.* Fabrics of 3- or 4- thread twill, including broken twill, warp faced, the warp yarns of which are dyed blue and the weft yarns of which are unbleached, bleached, dyed grey or colored a lighter shade of blue than that of the warp yarns.

*All Other Denim.* Includes sport denims and all other denim not included above.

*Canton Flannel.* Fabric woven with a four-harness warp face twill with heavy, soft filling yarn, and a medium count warp. A long nap is raised on the back.

*Sateens.* Fabrics woven with a satin weave, whether or not napped, in which the surface of the cloth consists almost entirely of warp or filling floats; that is, in the repeat of a weave pattern, each yarn of one system passes over several yarns of the other system before interlacing.

*Oxfords.* Fabrics weighing no more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), whether or not napped, woven as plain weave except that two or more warp ends are woven as one (taped warp). Oxford cloth is not to be classified as a plain weave fabric.

*Duck.* Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), of average yarn number 15 or lower number, whether or not napped, of a plain weave where the warp or filling or both, consist of multiple (folded) or cabled yarns.

*Taped Warp Duck.* Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces (chiefly cotton fabric), of average yarn number 15 or lower number, whether or not napped, of a plain weave except that two or more warp ends are woven as one (tape warp) whether or not containing multiple (folded) or cabled yarns.

*Shirting, Jacquard or Dobby.* Fabrics weighing no more than 5 ounces per square (chiefly manmade fiber) or 5.9 ounces per square yard (chiefly cotton fiber) whether or not napped, woven wholly or in part with jacquard or dobby attachment.

*Table Damask.* Fabrics, whether or not napped, woven wholly or in part with jacquard or dobby attachment characterized by elaborate decorative designs, usually of floral patterns. The designs are reversible and are formed by warp-face satin weave. Table damask is generally all white, although it is sometimes made with colored stripes or in solid pastel shades.

*Ginghams, Plaids, and Checks.* Yarn-dyed fabrics composed of two or more colors in the warp and two or more colors in the filling.

*Stripes and Other Yarn Dyed Fabrics.* Yarn-dyed fabrics composed of any number of colors in the warp but only one color in the filling.



**High Tenacity Yarn Fabric.** Fabric made from yarns having a tenacity, expressed in centinewtons per tex (cN/tex) greater than 60 cN/tex for multiple (folded) or cabled yarns of nylon or polyester; or 27 cN/tex for multiple (folded), cabled, or singles yarns of viscose rayon.

**Flat Fabrics.** Fabrics containing yarns having less than 12 turns per inch.

## COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

The trade comparisons shown in this report should be considered only as approximations. Several problems prevent precise comparisons among imports, exports, and domestic output. These problems include the following:

- Export and import comparisons do not account for the origin of materials used to manufacture the finished product. Domestic output includes any goods that undergo substantial transformation into a finished product in the U.S., even if the goods are partially constructed abroad or are constructed of imported materials.
- There will be a lag between the time a producer makes or ships a product and the time it is actually exported. Similarly, there may be a lag between the time a product is imported and when it enters into U.S. distribution channels.
- The basic structures of these classification systems differ. The Standard Industrial Classification (SIC) system used for domestic output was developed independently of the Harmonized System (HS) used to classify imports and exports. The level of detail provided by the different systems varies substantially, reflecting their different objectives. For example, there are a number of imported commodities that have no comparable domestic output classification.
- Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of domestic output data for such commodities may contain some duplication.
- Import and export data reflect the movement of merchandise into and out of U.S. foreign trade zones, the U.S. Virgin Islands, and the U.S. customs territory of the 50 States, the District of Columbia, and Puerto Rico. Domestic output reflects activity in the 50 States and, only if specified, in Puerto Rico.
- Some import and export data generally do not distinguish between new, used or rebuilt commodities.
- The valuations of the three data sets differ. Domestic output is valued at the point of production. It includes the net sales price, f.o.b. plant, after discounts and allowances, and excludes freight charges and excise taxes. Exports are valued at the point of exportation. Export

value includes the net sales price or value, and inland freight, insurance and other charges to the export point. Imports are valued at the first port of entry in the United States. They include the cost, insurance, freight, duty, and other charges to the import point.

- Detailed commodity information is not included for individual export or import shipments at or below a certain dollar limit. This dollar limit is \$2,500 for exports and \$1,250 for imports, except for import of textiles and textile products, gloves, footwear, and miscellaneous rubber and plastics products, where the limit is \$250.

## HISTORICAL NOTE

Data on broadwoven fabrics (gray) have been collected by the Bureau of the Census since 1943. Historical data may be obtained from Current Industrial Reports (called Facts for Industry before 1959) available at your local Federal Depository Library. A list of these libraries may be obtained from the Bureau of the Census regional offices:

Office	Telephone
Atlanta, Georgia	404-730-3833
Boston, Massachusetts	617-565-7100
Charlotte, North Carolina	704-344-6142
Chicago, Illinois	312-353-6251
Dallas, Texas	214-767-0621
Denver, Colorado	303-969-6750
Detroit, Michigan	313-354-4654
Kansas City, Kansas	913-236-3728
Van Nuys, California	818-904-6339
New York, New York	212-264-4730
Philadelphia, Pennsylvania	215-597-8313
Seattle, Washington	206-728-5314

Historical data are also available on microfiche. For further information, contact the Bureau of the Census, Data User Services Division 301-763-4100.

## RELATED REPORTS

A quarterly Current Industrial Report is published in this series. The Bureau of the Census also publishes the following related reports:

Series	Frequency	Title
<i>Current Industrial Reports</i>		
MQ22D	Quarterly	<i>Consumption on the Woolen System and Worsted Combing</i>
MQ22P	Quarterly	<i>Consumption on the Cotton System and Stocks</i>
MQ23X	Quarterly	<i>Sheets, Pillowcases, and Towels</i>
MA22F	Annually	<i>Yarn Production (formerly MA22F.1 and MA22F.2)</i>



Series	Frequency	Title	Subject Area	Contact	Phone Number
MA22K	Annually	<i>Knit Fabric Production</i>	Manufacturers' Shipments, Inventories, and Orders	Steve Andrews	301-763-2502
MA22Q	Annually	<i>Carpet and Rugs</i>			
MA22M	Biennially	<i>Stocks of Wool and Related Fibers</i>			
MQ23A	Quarterly	<i>Apparel</i>	Classification Systems Comparability	Francis McCormick (ESD)	301-763-1935
MA23D	Annually	<i>Gloves and Mittens</i>	Census/ASM	Ted McGrath	301-763-5152
<i>Other Industry Reports</i>			Foreign Trade	Trade Data Inquiries Staff (FTD)	301-763-5140
M3-1	Monthly	<i>Manufacturers' Shipments, Inventories, and Orders</i>	Office of Textiles and Apparel	James Bennett	202-377-4058
(AS)	Annually	Annual Survey of Manufactures (ASM)			
(MC)	Quinquennially	Census of Manufactures			
<i>Foreign Trade Reports</i>			To order a Current Industrial Report	Superintendent of Documents (GPO)	202-783-3238
CD-ROM	Monthly/Annually	<i>U.S. Exports—Schedule B—Commodity by Country</i>	To subscribe to a Census Bureau publication	Superintendent of Documents (GPO)	202-512-2303
FT 447	Annually				
CD-ROM	Monthly/Annually	<i>U.S. Imports for Consumption—HTSUSA—Commodity by Country</i>			
FT 247	Annually				

## CONTACTS FOR DATA USERS

Subject Area	Contact	Phone Number
Current Industrial Report MQ22T	Keith Featherstone	301-763-2553

## ACKNOWLEDGMENTS

This report was prepared in the Industry Division, Bureau of the Census, under the direction of Judy Dodds, Chief, Current Nondurables Branch, and Robert Reinard, Chief, Textiles and Apparel Section. Keith Featherstone was directly responsible for the review of the data and preparation of the report. John Govoni, Chief of the Division, provided overall direction and coordination to this project.



## INSTRUCTIONS FOR CURRENT INDUSTRIAL REPORT DATA USERS, FOR ACCESSING THE CENSUS-BEA ELECTRONIC FORUM TO GET CURRENT DATA ON U.S. INDUSTRIAL ACTIVITY

The Census-BEA Electronic Forum is an electronic bulletin board where data users may retrieve industry data on the production, inventories, and orders of various manufacturing products using a communication modem on the user's personal computer (PC). The electronic bulletin board supports public messages, private E-mail, bulletins, file downloads, and on-line questionnaires.

A data user must register with the FORUM and read the NEWUSER Information before being able to access data. Before making your first call, please have the following answers available to provide the correct registration information: Brand name of your PC, dimensions of your monitor's screen (80 columns by 24 lines or other), whether your monitor supports color, the baud rate (or speed) at which your modem communicates, the software package your PC uses to make calls (such as CrossTalk, PC Plus, ProComm, PC-Talk, or SmartComm). Decide on your password before calling. During your initial call, you must read all of the NEWUSER Message and provide complete, correct answers to the on-line Registration Questionnaire. Doing both will result in full access privileges to FORUM.

Refer to the instructions for your communications software to learn how to enter the telephone number and parameters of the FORUM in the dialing directory of your communications software. If you use a long distance service other than AT&T, be sure to include the prefix. To access the Census-BEA Electronic Forum, please dial 301-763-7554. Your communications modem should be set as follows:

Baud Rate: 1200, 2400, and 9600

Parity : None

Data Bits: 8

Stop Bits: 1

Duplex : Full

After dialing into the FORUM, follow the screen prompts and answer all questions for new users. Read the NEWUSER Message which gives the rules for the use of FORUM. Next, "register" for the Census-BEA Electronic FORUM (command: R).

The following menu of publicly accessible Special Interest Group (SIG) message areas will appear on screen:

1. Open Forum
2. 1990 Census
3. Census Economic
4. TIGER
5. CD-Rom
6. Agriculture Census
7. Pop Ests & Projections
8. Industry

Select "8" to access Current Industrial Reports data.

There are 15 Census Bureau file download areas available to all users. For Current Industrial Reports data, select:

- "F" (files -Go to files transfer menu)
- "C" Census Bureau Download Areas (File Lists) to see what CIR publications are available. Jot down the file name for the publication that you need, for example: (INDM20J.OCT)
- "D" (download to your PC), enter the file name
- "4" (XMODEM)
- PageDown
- "1" (XMODEM) and enter destination drive and filename: (a:indm20j.oct).

When downloading is complete, the screen will flash "completed." You may then exit from the system ("G" for goodbye).

If you need coaching, read the tutorials from the Top Level Menu while on-line, or call the voice number at 301-763-1580. Ask for Nancy Smith, John Rowe, or Kendall Oliphant.



# NOW AVAILABLE TO THE PUBLIC!

## 1987 Industry and Product Classification Manual

(1987 SIC basis)

EC87-R-3



U.S. Department of Commerce  
BUREAU OF THE CENSUS

**THE INDUSTRY AND PRODUCT CLASSIFICATION MANUAL**, until this 1987 edition, was an internal Bureau of the Census reference document used primarily to assign SIC-based codes to industries and products for the economic censuses and current surveys. Because of data users' interest and many requests, the Census Bureau is making this publication available to the public.

This publication is widely used within the economic area of the Census Bureau to provide consistent assignment of industry codes. This publication will provide coding information as related to the Census Bureau's economic programs and can be a valuable adjunct resource document to the 1987 SIC Manual.

One of the major highlights of this publication is the subdivision of the 1987 SIC Manual's four-digit industries into greater detail for the Transportation, Communications, Electric, Gas, and Sanitary Services; Wholesale Trade; Retail Trade; and Services Divisions. Other highlights include the following:

- Industrial coverage of the Economic and Agriculture Censuses described within the context of each SIC division.
- Information on report forms used in collecting data for the Census Bureau's economic programs.
- Census Bureau's interpretation, in applying the establishment concept as defined in the 1987 SIC Manual.
- Narrative descriptions and establishment concepts of each SIC division including discussions on borderline activities which may or may not be covered within that division.
- A list of the industry codes, titles, and census form numbers used to collect data by industry, for each SIC division.
- An alphabetic index to industries for various activities and products, for each SIC division.
- A separate section on auxiliary establishments.



### ORDER FORM

Publication reference number: PB89-203772LCQ  
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For information, call Data User Services Division, Bureau of the Census, (301) 763-4100.

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# Average Weights and Width of Broadwoven Fabrics (Gray)

## SELECTED YEARS FOR FIRST QUARTERS 1987-1992

MC22T (Supplement)  
Issued February 1993

Current Industrial Reports, Average...

U.S. Department of Commerce  
Economics and Statistics Administration  
BUREAU OF THE CENSUS

During the period of 1987 to 1992, the average width of cotton broadwoven fabrics decreased 1.32 percent. In 1987, the average linear yard of cotton broadwoven fabric consisted of 1.53 square yards. This ratio decreased to 1.51 for 1992.

The average width of manmade and silk fiber broadwoven fabrics increased 7.14 percent during this same

period. In 1987 the average linear yard of manmade and silk fiber broadwoven fabric consisted of 1.96 square yards. This ratio increased to 2.10 for 1992.

A description of survey methodology and related information appears on page 10.

**Table 1. SUMMARY OF PRODUCTION OF COTTON AND MANMADE FIBER BROADWOVEN GRAY FABRICS  
FIRST QUARTERS OF 1992, 1987, 1982, 1977, 1972, AND 1968**

Product description	1992	1987	1982	1977	1972	1968
<b>Cotton broadwoven goods:</b>						
Linear yards.....	757,333	759,899	778,109	1,206,517	1,515,784	2,034,293
Square yards.....	1,144,317	1,162,823	982,998	1,514,309	1,938,082	2,640,995
Pounds.....	465,208	451,658	366,832	521,802	665,557	780,188
Square yards per linear yard.....	1.51	1.53	1.26	1.25	1.28	1.30
Linear yards per pound.....	1.63	1.68	2.12	2.31	2.28	2.61
Square yards per pound.....	2.46	2.57	2.68	2.89	2.91	3.39
<b>Manmade fiber and silk broadwoven fabrics:</b>						
Linear yards.....	1,312,405	1,381,742	1,430,553	1,553,822	1,341,459	1,284,746
Square yards.....	2,759,107	2,704,065	2,352,342	2,433,522	2,021,883	1,800,884
Pounds.....	698,424	691,510	607,905	697,073	555,350	498,940
Square yards per linear yard.....	2.10	1.96	1.64	1.57	1.51	1.40
Linear yards per pound.....	1.88	2.00	2.35	2.29	2.42	2.57
Square yards per pound.....	3.95	3.91	3.87	3.58	3.64	3.61

JUL 20 1993

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Keith Featherstone 301-763-2553.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.



Table 2. SUMMARY OF PRODUCTION AND LOOM ASSIGNMENTS OF BROADWOVEN GRAY FABRICS: FIRST QUARTER 1992

Product code	Product description	1,000 square yards	1,000 linear yards	1,000 pounds	Ratios		Coverage ratio (percent)
					Square yards per linear yard	Square yards per pound	
2211B 00	Cotton and chiefly cotton fabrics mixed mainly or solely with manmade fibers .....	1,144,317	757,333	465,208	1.511	2.460	100.0
2211C 00	Plain weaves .....	555,571	368,367	88,254	1.508	6.295	100.0
2211D 00	Twill weaves .....	355,380	219,431	240,880	1.620	1.475	99.9
2211D 00	All other weaves except pile .....	113,062	79,791	51,195	1.417	2.208	99.9
2211E 00	Pile fabrics .....	120,304	89,744	84,879	1.341	1.417	100.0
	Chiefly cotton fabrics mixed mainly or solely with other than manmade fibers .....	(D)	(D)	(D)	(D)	(D)	(D)
2221B 00	Manmade fiber and silk gray broadwoven fabrics .....	2,759,107	1,312,405	698,424	2.102	3.950	99.1
2221C 00	85 percent or more filament rayon and/or acetate fabrics ....	193,157	131,756	44,013	1.466	4.389	98.8
	85 percent or more filament fabrics, except rayon/acetate ...	1,178,568	463,080	274,765	2.545	4.289	99.7
	85 percent or more spun yarn fabrics, except wool blends ...	1,043,197	532,520	286,170	1.959	3.645	97.9
2221D 00	Plain weave, except pile .....	855,143	426,051	200,825	2.007	4.258	100.0
2221E 00	Twill weave, except pile .....	107,761	60,062	47,595	1.794	2.264	94.8
2221F 00	All other weaves, except pile .....	80,293	46,369	37,633	1.732	2.134	98.8
2221G 00	Spun/filament yarn combinations .....	(D)	(D)	(D)	(D)	(D)	(D)
2221H 10	Pile fabrics .....	12,306	7,937	9,568	1.550	1.286	99.7
2221H 2X	All other chiefly manmade fiber fabrics, including chiefly manmade fiber blends with wool .....	(D)	(D)	(D)	(D)	(D)	(D)
2221H 01	Silk fabrics .....	269	246	91	1.093	2.956	87.0
	Woolen and worsted fabrics .....	45,660	26,501	23,117	1.723	1.975	99.5

(D) Data withheld to avoid disclosing figures for individual companies.



**Table 3. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS: FIRST QUARTER 1992**

Product code	Product description	1,000 square yards	1,000 linear yards	1,000 pounds	Ratios		Coverage ratio (percent)
					Square yards per linear yard	Square yards per pound	
2211B 02	Tobacco, cheese, and bandage cloth .....	316,980	242,590	15,243	1.307	20.795	100.0
2221D 03	More than 50 percent cotton .....	261,156	213,128	11,030	1.225	23.677	100.0
2221D 04	Chiefly spun polyester mixed with cotton .....	(D)	(D)	(D)	(D)	(D)	(D)
2221D 05	Chiefly spun rayon and/or acetate .....	(D)	(D)	(D)	(D)	(D)	(D)
2221D 05	All other fabrics, 85 percent or more spun yarn .....	(D)	(D)	(D)	(D)	(D)	(D)
2211B 05	Spun-filament combinations .....	(D)	(D)	(D)	(D)	(D)	(D)
2221G 04	Chiefly cotton .....	-	-	-	-	-	-
2221G 04	Chiefly manmade .....	(D)	(D)	(D)	(D)	(D)	(D)
2211B 12	Print cloth .....	382,659	218,229	74,535	1.753	5.134	100.0
2221D 13	More than 50 percent cotton .....	109,222	67,426	22,092	1.620	4.944	100.0
2221D 15	Chiefly spun polyester mixed with cotton .....	153,637	86,713	28,442	1.772	5.402	100.0
2221D 16	Chiefly spun polyester mixed with rayon .....	(D)	(D)	(D)	(D)	(D)	(D)
2221D 16	Chiefly spun rayon and/or acetate .....	(D)	(D)	(D)	(D)	(D)	(D)
2221D 18	All other fabrics, 85 percent or more spun yarn .....	12,676	7,321	4,376	1.731	2.897	100.0
2211B 14	Spun-filament combinations .....	97,022	50,233	17,015	1.931	5.702	100.0
2221G 07	Chiefly cotton .....	-	-	-	-	-	-
2221G 07	Chiefly manmade .....	(D)	(D)	(D)	(D)	(D)	(D)
2211B 21	Poplin and broadcloth .....	245,019	134,072	58,627	1.828	4.179	100.0
2211B 25	More than 50 percent cotton .....	14,966	7,961	4,192	1.880	3.570	100.0
2211B 30	Weighing 5.9 ounces or less per square yard .....	11,977	6,374	2,969	1.879	4.034	100.0
2211B 30	Carded .....	4,088	2,318	1,056	1.764	3.871	100.0
2211B 30	Combed .....	7,889	4,056	1,913	1.945	4.124	100.0
2221D 23	Weighing more than 5.9 ounces per square yard .....	2,989	1,587	1,223	1.883	2.444	100.0
2221D 25	Chiefly spun polyester mixed with cotton .....	133,656	74,338	31,485	1.798	4.245	100.0
2221D 25	Weighing 5.0 ounces or less per square yard .....	124,334	69,301	28,083	1.794	4.427	100.0
2221D 27	Carded .....	91,179	50,791	20,755	1.795	4.393	100.0
2221D 31	Combed .....	33,155	18,510	7,328	1.791	4.524	100.0
2221D 33	Weighing more than 5.0 ounces per square yard .....	9,322	5,037	3,402	1.851	2.740	100.0
2221D 34	Carded .....	(D)	(D)	(D)	(D)	(D)	(D)
2221D 34	Combed .....	(D)	(D)	(D)	(D)	(D)	(D)
2211B 35	Chiefly spun rayon and/or acetate .....	(D)	(D)	(D)	(D)	(D)	(D)
2221G 19	All other fabrics, 85 percent or more spun yarn .....	22,581	12,601	6,408	1.792	3.524	100.0
2221G 19	Spun-filament combinations .....	(D)	(D)	(D)	(D)	(D)	(D)
2221G 19	Chiefly cotton .....	(D)	(D)	(D)	(D)	(D)	(D)
2221G 19	Chiefly manmade .....	66,814	35,460	14,665	1.884	4.556	100.0
2211B 41	Lawns, voiles and batistes .....	542	305	95	1.777	5.705	80.6
2221D 41	More than 50 percent cotton .....	(D)	(D)	(D)	(D)	(D)	(D)
2221D 44	Chiefly spun polyester mixed with cotton .....	(D)	(D)	(D)	(D)	(D)	(D)
2221D 42	Chiefly spun rayon and/or acetate .....	-	-	-	-	-	-
2211B 43	All other fabrics, 85 percent or more spun yarn .....	-	-	-	-	-	-
2211G 28	Spun-filament combinations .....	(D)	(D)	(D)	(D)	(D)	(D)
2211G 28	Chiefly cotton .....	-	-	-	-	-	-
2211G 28	Chiefly manmade .....	(D)	(D)	(D)	(D)	(D)	(D)
2211B 71	Duck, including taped warp duck .....	14,810	9,198	8,644	1.610	1.713	100.0
2221D 89	More than 50 percent cotton .....	7,489	4,383	4,974	1.709	1.506	100.0
2221D 91	Chiefly spun polyester mixed with cotton .....	2,438	2,128	1,897	1.146	1.285	100.0
2221D 91	All other fabrics, 85 percent or more spun yarn .....	(D)	(D)	(D)	(D)	(D)	(D)
2211B 75	Spun-filament combinations .....	(D)	(D)	(D)	(D)	(D)	(D)
2221B 77	Chiefly cotton .....	(D)	(D)	(D)	(D)	(D)	(D)
2221B 77	Chiefly manmade .....	(D)	(D)	(D)	(D)	(D)	(D)
2211B 45	Bedsheeting .....	473,927	182,624	108,615	2.595	4.363	100.0
2221D 43	More than 50 percent cotton .....	90,475	36,484	23,278	2.480	3.887	100.0
2221D 45	Chiefly spun polyester mixed with cotton .....	332,750	125,484	75,466	2.652	4.409	100.0
2221D 46	Carded .....	91,509	35,270	20,139	2.595	4.544	100.0
2221D 47	Combed .....	241,241	90,214	55,327	2.674	4.360	100.0
2221D 47	Chiefly spun rayon and/or acetate .....	-	-	-	-	-	-
2211B 47	All other fabrics, 85 percent or more spun yarn .....	(D)	(D)	(D)	(D)	(D)	(D)
2221G 33	Spun-filament combinations .....	(D)	(D)	(D)	(D)	(D)	(D)
2221G 33	Chiefly cotton .....	(D)	(D)	(D)	(D)	(D)	(D)
2221G 33	Chiefly manmade .....	(D)	(D)	(D)	(D)	(D)	(D)

See footnotes at end of table.



Table 3. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS: FIRST QUARTER 1992—Continued

Product code	Product description	1,000 square yards	1,000 linear yards	1,000 pounds	Ratios		Coverage ratio (percent)
					Square yards per linear yard	Square yards per pound	
	All other sheeting, including osnaburgs .....	187,775	114,579	64,907	1.639	2.893	100.0
2211B 61	More than 50 percent cotton .....	54,853	31,147	19,738	1.761	2.779	100.0
	Weighing 5.9 ounces or less per square yard .....	39,285	23,646	12,870	1.661	3.052	100.0
	Weighing more than 5.9 ounces per square yard .....	15,568	7,501	6,868	2.075	2.267	100.0
2211B 63	Blanketing .....	11,323	5,303	4,952	2.135	2.287	100.0
2211B 65	All other fabric .....	4,245	2,198	1,916	1.931	2.216	100.0
	85 percent or more spun polyester .....	6,033	2,577	1,859	2.341	3.245	100.0
2221D 63	Blanketing .....	(D)	(D)	(D)	(D)	(D)	(D)
2221D 65	All other fabric .....	(D)	(D)	(D)	(D)	(D)	(D)
	Chiefly spun polyester mixed with cotton .....	79,585	56,389	21,169	1.411	3.760	100.0
2221D 73	Weighing 5.0 ounces or less per square yard .....	66,754	48,667	16,245	1.372	4.109	100.0
2221D 75	Weighing more than 5.0 ounces per square yard .....	12,831	7,722	4,924	1.662	2.606	100.0
	Chiefly spun acrylic .....	7,257	3,898	3,692	1.862	1.966	100.0
2221D 81	Blanketing .....	(D)	(D)	(D)	(D)	(D)	(D)
2221D 83	All other fabric .....	(D)	(D)	(D)	(D)	(D)	(D)
2221D 84	Chiefly spun rayon and/or acetate .....	(D)	(D)	(D)	(D)	(D)	(D)
2221D 85	All other fabrics, 85 percent or more spun yarn .....	(D)	(D)	(D)	(D)	(D)	(D)
	Spun-filament combinations .....	(D)	(D)	(D)	(D)	(D)	(D)
2211B 67	Chiefly cotton .....	(D)	(D)	(D)	(D)	(D)	(D)
2221G 45	Chiefly manmade .....	(D)	(D)	(D)	(D)	(D)	(D)
	Blue denim .....	191,776	120,734	152,765	1.588	1.255	100.0
2211C 01	More than 50 percent cotton .....	186,086	117,256	148,797	1.587	1.251	100.0
2211C 03	Weighing 10.7 ounces or less per square yard .....	22,306	13,166	11,690	1.694	1.908	100.0
2221E 03	Weighing more than 10.7 ounces per square yard .....	163,780	104,090	137,107	1.573	1.195	100.0
	Chiefly spun polyester mixed with cotton .....	(D)	(D)	(D)	(D)	(D)	(D)
	Spun-filament combinations .....	(D)	(D)	(D)	(D)	(D)	(D)
2211G 05	Chiefly cotton .....	(D)	(D)	(D)	(D)	(D)	(D)
2221G 46	Chiefly manmade .....	(D)	(D)	(D)	(D)	(D)	(D)
	All other denim .....	43,728	29,997	33,728	1.458	1.296	100.0
2211C 11	More than 50 percent cotton .....	42,488	29,227	32,854	1.454	1.293	100.0
2211C 13	Weighing 10.7 ounces or less per square yard .....	4,833	3,530	2,596	1.369	1.862	100.0
2221E 13	Weighing more than 10.7 ounces per square yard .....	37,655	25,697	30,258	1.465	1.244	100.0
	Chiefly spun polyester mixed with cotton .....	(D)	(D)	(D)	(D)	(D)	(D)
	Spun-filament combinations .....	(D)	(D)	(D)	(D)	(D)	(D)
2211C 15	Chiefly cotton .....	(D)	(D)	(D)	(D)	(D)	(D)
2221C 18	Chiefly manmade .....	-	-	-	-	-	-
2211C 21	Canton flannels .....	6,360	5,971	3,427	1.065	1.856	100.0
	All other twill weaves .....	241,850	134,593	106,272	1.797	2.276	97.9
2211C 31	More than 50 percent cotton .....	115,183	63,779	52,095	1.806	2.211	99.5
2211C 33	Weighing 5.9 ounces or less per square yard .....	31,859	17,543	10,828	1.816	2.942	98.6
2221E 21	Weighing more than 5.9 ounces per square yard .....	83,324	46,236	41,267	1.802	2.019	100.0
	85 percent or more spun polyester .....	6,387	2,359	2,399	2.708	2.662	100.0
	Chiefly spun polyester mixed with cotton .....	74,782	42,669	35,931	1.753	2.081	94.4
2221E 23	Weighing 5.0 ounces or less per square yard .....	16,836	9,550	4,981	1.763	3.380	100.0
2221E 25	Weighing more than 5.0 ounces per square yard .....	57,946	33,119	30,950	1.750	1.872	92.8
2221E 26	Chiefly spun rayon and/or acetate .....	(D)	(D)	(D)	(D)	(D)	(D)
2221E 27	All other fabrics, 85 percent or more spun yarn .....	18,191	10,530	6,210	1.728	2.929	99.8
	Spun-filament combinations .....	(D)	(D)	(D)	(D)	(D)	(D)
2211C 35	Chiefly cotton .....	(D)	(D)	(D)	(D)	(D)	(D)
2221C 39	Chiefly manmade .....	(D)	(D)	(D)	(D)	(D)	(D)
	Sateens .....	24,176	14,796	9,744	1.634	2.481	100.0
2211D 05	More than 50 percent cotton .....	9,100	5,844	4,394	1.557	2.071	100.0
2221F 05	Chiefly spun polyester mixed with cotton .....	5,447	3,040	1,570	1.792	3.469	100.0
2221F 06	Chiefly spun rayon and/or acetate .....	(D)	(D)	(D)	(D)	(D)	(D)
2221F 07	All other fabrics, 85 percent or more spun yarn .....	(D)	(D)	(D)	(D)	(D)	(D)
	Spun-filament combinations .....	7,732	4,722	2,816	1.637	2.746	100.0
2211D 07	Chiefly cotton .....	(D)	(D)	(D)	(D)	(D)	(D)
2221G 05	Chiefly manmade .....	(D)	(D)	(D)	(D)	(D)	(D)
	Oxfords .....	51,397	27,627	17,281	1.860	2.974	100.0
2211D 11	More than 50 percent cotton .....	27,630	15,184	8,423	1.820	3.280	100.0
2221F 11	Chiefly spun polyester mixed with cotton .....	6,708	3,585	2,378	1.871	2.821	100.0
2221F 17	All other fabrics, 85 percent or more spun yarn .....	(D)	(D)	(D)	(D)	(D)	(D)
	Spun-filament combinations .....	(D)	(D)	(D)	(D)	(D)	(D)
2211D 13	Chiefly cotton .....	(D)	(D)	(D)	(D)	(D)	(D)
2221G 68	Chiefly manmade .....	(D)	(D)	(D)	(D)	(D)	(D)

See footnotes at end of table.



**Table 3. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE SPUN YARN FABRICS AND SPUN/FILAMENT COMBINATIONS, CHIEFLY COTTON OR MANMADE FIBERS, EXCLUDING BLENDS OF WOOL, SILK, AND CHIEFLY COTTON/OTHER VEGETABLE FIBERS AND PILE FABRICS: FIRST QUARTER 1992—Continued**

Product code	Product description	1,000 square yards	1,000 linear yards	1,000 pounds	Ratios		Coverage ratio (percent)
					Square yards per linear yard	Square yards per pound	
2211D 31	Birdseye diaper cloth.....	(D)	(D)	(D)	(D)	(D)	(D)
2211D 35	Huck and crash toweling.....	(D)	(D)	(D)	(D)	(D)	(D)
2211D 45	Table damask.....	14,637	6,488	5,674	2.256	2.580	100.0
2221F 32	More than 50 percent cotton.....	(D)	(D)	(D)	(D)	(D)	(D)
2221F 37	Chiefly spun polyester mixed with cotton.....	(D)	(D)	(D)	(D)	(D)	(D)
2221G 82	All other fabrics, 85 percent or more spun yarn.....	-	-	-	-	-	-
2211D 07	Spun-filament combinations.....	-	-	-	-	-	-
2211D 07	Chiefly cotton.....	-	-	-	-	-	-
2221G 82	Chiefly manmade.....	-	-	-	-	-	-
2211D 51	Jacquard and dobby shirting fabrics.....	11,811	7,023	3,973	1.682	2.973	100.0
2221F 41	More than 50 percent cotton.....	4,364	2,263	1,738	1.928	2.511	100.0
2221F 43	Chiefly spun polyester mixed with cotton.....	3,204	1,971	953	1.626	3.362	100.0
2211D 53	All other fabrics, 85 percent or more spun yarn.....	(D)	(D)	(D)	(D)	(D)	(D)
2221G 84	Spun-filament combinations.....	(D)	(D)	(D)	(D)	(D)	(D)
	Chiefly cotton.....	(D)	(D)	(D)	(D)	(D)	(D)
	Chiefly manmade.....	(D)	(D)	(D)	(D)	(D)	(D)
2211D 62	All other weaves.....	144,430	90,762	64,496	1.591	2.239	96.8
2211D 64	More than 50 percent cotton.....	39,183	25,146	17,784	1.558	2.203	91.2
2221F 52	Weighing 5.9 ounces or less per square yard.....	13,440	7,770	4,194	1.730	3.205	100.0
	Weighing more than 5.9 ounces per square yard.....	25,743	17,376	13,590	1.482	1.894	86.6
	85 percent or more spun polyester.....	5,563	2,984	3,046	1.864	1.826	98.6
	Chiefly spun polyester mixed with cotton.....	8,779	5,204	5,880	1.687	1.493	95.8
2221F 54	Weighing 5.0 ounces or less per square yard.....	4,757	2,492	1,209	1.909	3.935	95.8
2221F 56	Weighing more than 5.0 ounces per square yard.....	4,022	2,712	4,671	1.483	0.861	95.7
2221F 58	All other fabrics, 85 percent or more spun yarn.....	21,339	14,716	12,147	1.450	1.757	96.4
2211D 66	Spun-filament combinations.....	69,566	42,712	25,639	1.629	2.713	100.0
2221G 87	Chiefly cotton.....	(D)	(D)	(D)	(D)	(D)	(D)
	Chiefly manmade.....	(D)	(D)	(D)	(D)	(D)	(D)

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies.



Table 4. PRODUCTION AND LOOM ASSIGNMENT OF 85 PERCENT OR MORE FILAMENT YARN FABRICS: FIRST QUARTER 1991

Product code	Product description	1,000 square yards	1,000 linear yards	1,000 pounds	Ratios		Coverage ratio (percent)
					Square yards per linear yard	Square yards per pound	
	85 percent or more filament yarn fabrics .....	1,372,315	598,829	320,194	2.292	4.286	99.2
	High tenacity yarn fabrics .....	30,897	16,765	10,114	1.843	3.055	99.9
2221B 02	100 percent rayon and chiefly rayon .....	4,767	2,729	1,896	1.747	2.514	100.0
2221C 02	100 percent nylon and chiefly nylon .....	13,303	7,503	4,337	1.773	3.067	99.6
2221C 04	100 percent polyester and chiefly polyester.....	12,827	6,533	3,881	1.963	3.305	100.0
2221C 07	85 percent or more filament yarn fabric obtained from strip like rayon and/or acetate.....	(D)	(D)	(D)	(D)	(D)	(D)
	85 percent or more filament rayon, acetate and/or triacetate filament yarn fabrics.....	150,481	109,770	33,456	1.371	4.498	96.2
	Weighing not more than 5 ounces per square yard.....	136,881	99,125	28,150	1.381	4.863	99.6
2221B 11	Plain weave .....	93,452	71,843	18,577	1.301	5.031	100.0
2221B 13	Other weaves.....	43,429	27,282	9,573	1.592	4.537	98.7
	Weighing more than 5 ounces per square yard .....	13,600	10,645	5,306	1.278	2.563	61.4
2221B 15	Plain weave .....	(D)	(D)	(D)	(D)	(D)	(D)
2221B 17	Other weaves.....	(D)	(D)	(D)	(D)	(D)	(D)
	Other chiefly rayon and/or acetate filament yarn fabrics .....	37,909	23,078	10,617	1.643	3.571	98.8
2221B 32	Weighing not more than 5 ounces per square yard.....	28,946	17,085	7,567	1.694	3.825	100.0
2221B 34	Weighing more than 5 ounces per square yard .....	8,963	5,993	3,050	1.496	2.939	94.9
	85 percent or more nylon filament yarn fabrics .....	125,614	66,629	23,458	1.885	5.355	100.0
2221C 11	Typewriter and other impression fabrics .....	28,719	14,105	3,264	2.036	8.799	100.0
	Other 85 percent or more nylon filament yarn fabrics.....	96,895	52,524	20,194	1.845	4.798	100.0
	Weighing not more than 5 ounces per sq. yard .....	83,089	44,802	14,076	1.855	5.903	100.0
2221C 14	Flat, non-textured .....	70,234	37,579	11,621	1.869	6.044	100.0
2221C 16	All other.....	12,855	7,223	2,455	1.780	5.236	100.0
	Weighing more than 5 ounces per square yard .....	13,806	7,722	6,118	1.788	2.257	100.0
2221C 22	Flat, non-textured .....	5,328	3,055	1,850	1.744	2.880	100.0
2221C 24	All other.....	8,478	4,667	4,268	1.817	1.986	100.0
	Other chiefly nylon filament fabrics .....	(D)	(D)	(D)	(D)	(D)	(D)
2221C 32	Weighing not more than 5 ounces per square yard.....	(D)	(D)	(D)	(D)	(D)	(D)
2221C 14	Weighing more than 5 ounces per square yard .....	(D)	(D)	(D)	(D)	(D)	(D)
	85 percent or more polyester filament yarn fabrics .....	170,470	96,662	47,218	1.764	3.610	99.7
	Textured .....	121,828	67,859	35,068	1.795	3.474	99.8
	Weighing not more than 5 ounces per square yard <sup>1</sup> .....	64,298	35,227	14,024	1.825	4.585	98.9
2221C 42	Flat .....	(D)	(D)	(D)	(D)	(D)	(D)
2221C 44	Other .....	(D)	(D)	(D)	(D)	(D)	(D)
2221C 45	Weighing more than 5 ounces per square yard <sup>1</sup> .....	57,530	32,632	21,044	1.763	2.734	100.0
	Nontextured .....	48,642	28,803	12,150	1.689	4.003	100.0
2221C 50	Weighing not more than 5 ounces per square yard <sup>1</sup> .....	27,944	18,622	3,587	1.501	7.790	100.0
2221C 55	Weighing more than 5 ounces per square yard <sup>1</sup> .....	20,698	10,181	8,563	2.033	2.417	100.0
2221C 62	Other chiefly polyester filament fabrics.....	3,225	1,896	416	1.701	7.752	100.0
	Glass fiber fabrics.....	91,774	67,498	37,125	1.360	2.472	97.5
2221C 72	Woven roving and screening.....	11,768	8,779	10,356	1.340	1.136	98.6
2221C 74	All other glass fabrics .....	80,006	58,719	26,769	1.363	2.989	97.3
	All other 85 percent or more filament yarn fabrics, including saran and olefin.....	759,304	215,015	157,421	3.531	4.823	99.8
	Carpet backing.....	695,389	172,135	143,561	4.040	4.844	100.0
2221C 80	Woven synthetic (including olefin) .....	(D)	(D)	(D)	(D)	(D)	(D)
2221C 83	Jute and other backing .....	(D)	(D)	(D)	(D)	(D)	(D)
2221C 84	All other.....	63,915	42,880	13,860	1.491	4.611	98.6

(D) Data withheld to avoid disclosing figures for individual companies.

<sup>1</sup>Classified on a finished weight basis.



**Table 5. PRODUCTION AND LOOM ASSIGNMENT OF PILE FABRICS (INCLUDES YARN DYED FABRIC):  
FIRST QUARTER 1992**

Product code	Product description	1,000 square yards	1,000 linear yards	1,000 pounds	Ratios		Coverage ratio (percent)
					Square yards per linear yard	Square yards per pound	
	Pile fabrics .....	132,610	97,681	94,447	1.358	1.404	99.9
	Corduroy .....	15,244	7,904	7,570	1.929	2.014	100.0
	More than 50 percent cotton.....	15,244	7,904	7,570	1.929	2.014	100.0
2211E 01	Finewales and pinwales .....	7,121	3,703	2,991	1.923	2.381	100.0
2211E 03	Midwales .....	(D)	(D)	(D)	(D)	(D)	(D)
2211E 06	Widewales and other .....	(D)	(D)	(D)	(D)	(D)	(D)
2221H 01	Chiefly manmade fiber .....	-	-	-	-	-	-
	Velvets, plushes, and other pile fabrics ..	12,975	8,398	10,093	1.545	1.286	99.8
2211E 21	More than 50 percent cotton.....	(D)	(D)	(D)	(D)	(D)	(D)
2221H 11	Chiefly manmade fiber .....	(D)	(D)	(D)	(D)	(D)	(D)
	Terry cloth and toweling .....	104,391	81,379	76,784	1.283	1.360	100.0
2211E 32	Terry toweling.....	101,006	79,102	73,804	1.277	1.369	100.0
2211E 34	Terry cloth .....	3,385	2,277	2,980	1.487	1.136	100.0

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies.



**Table 6. PRODUCTION AND LOOM ASSIGNMENT OF WOOLEN AND WORSTED FABRICS, INCLUDING CHIEFLY MANMADE/WOOL BLENDS AND CHIEFLY COTTON/WOOL BLENDS: FIRST QUARTER 1992**

(Looms operating in number; production in thousands of square yards)

Product code	Product description	1,000 square yards	1,000 linear yards	1,000 pounds	Ratios		Coverage ratio (percent)
					Square yards per linear yard	Square yards per pound	
	Woolen and worsted fabrics, 36 percent or more wool (except felts) <sup>1</sup> .....	45,660	26,501	23,117	1.723	1.975	99.5
	Apparel fabrics, including government orders .....	43,929	25,431	22,029	1.727	1.994	100.0
	Worsted fabrics .....	27,773	15,585	11,148	1.782	2.491	100.0
22312 01	Weighing not more than 5.9 ounces per square yard....	(D)	(D)	(D)	(D)	(D)	(D)
22312 02	Weighing more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)	(D)	(D)
	Woolen fabrics.....	16,156	9,846	10,881	1.641	1.485	100.0
22312 21	Weighing not more than 9 ounces per square yard.....	(D)	(D)	(D)	(D)	(D)	(D)
22312 23	Weighing more than 9 ounces per square yard .....	(D)	(D)	(D)	(D)	(D)	(D)
	Nonapparel fabrics, including government orders (except felts) .....	1,731	1,070	1,088	1.618	1.591	88.5
22312 62	Blanketing, including thermal.....	(D)	(D)	(D)	(D)	(D)	(D)
22312 61	Upholstery fabric.....	(D)	(D)	(D)	(D)	(D)	(D)
22312 85	All other fabrics.....	900	539	513	1.670	1.754	78.6
22312 92	Woven felts (thousands of lbs.) .....	N/C	N/C	N/C	N/C	N/C	N/C
	Chiefly manmade/wool blend and chiefly cotton/wool blend fabrics .....	(D)	(D)	(D)	(D)	(D)	(D)
	Chiefly spun poly mixed mainly or solely with wool .....	(D)	(D)	(D)	(D)	(D)	(D)
2221H 21	Woolen .....	(D)	(D)	(D)	(D)	(D)	(D)
	Worsted.....	(D)	(D)	(D)	(D)	(D)	(D)
2221H 25	Weighing not more than 5.9 ounces per square yard....	(D)	(D)	(D)	(D)	(D)	(D)
2221H 27	Weighing more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)	(D)	(D)
2221H 32	All other chiefly spun fibers mixed mainly or solely with wool .....	(D)	(D)	(D)	(D)	(D)	(D)
	Chiefly filament polyester mixed mainly or solely with wool or spun polyester/wool blends (less than 36 percent wool) .....	(D)	(D)	(D)	(D)	(D)	(D)
2221H 51	Woolen .....	(D)	(D)	(D)	(D)	(D)	(D)
	Worsted.....	(D)	(D)	(D)	(D)	(D)	(D)
2221H 53	Weighing not more than 5.9 ounces per square yard .....	(D)	(D)	(D)	(D)	(D)	(D)
2221H 55	Weighing more than 5.9 ounces per square yard.....	(D)	(D)	(D)	(D)	(D)	(D)
2221H 63	All other chiefly filament yarn mixed mainly or solely with wool .....	(D)	(D)	(D)	(D)	(D)	(D)

(D) Data withheld to avoid disclosing figures for individual companies.

N/C Not collected.

<sup>1</sup>Includes fabrics 36 percent or more wool or reprocessed wool by weight. 1986 and prior years include fabrics 50 percent or more wool or reprocessed wool by weight.



Table 7. PRODUCTION AND LOOM ASSIGNMENT OF UPHOLSTERY FABRICS: FIRST QUARTER 1992

Product code	Product description	1,000 square yards	1,000 linear yards	1,000 pounds	Ratios		Coverage ratio (percent)
					Square yards per linear yard	Square yards per pound	
	Upholstery fabrics .....	89,886	56,341	52,464	1.595	1.713	98.6
	85 percent or more spun yarn and spun filament combinations .....	71,229	44,092	43,856	1.615	1.624	98.9
	Pile woven .....	13,881	8,877	10,425	1.564	1.332	99.5
2211E 41	All cotton and chiefly cotton .....	198	148	120	1.338	1.650	98.5
2221H 41	All manmade and chiefly manmade .....	13,683	8,729	10,305	1.568	1.328	99.6
	Flat woven .....	57,348	35,215	33,431	1.629	1.715	96.9
2211X 01	All cotton and chiefly cotton .....	19,430	10,212	11,552	1.903	1.682	94.0
	All manmade and chiefly manmade .....	37,918	25,003	21,879	1.517	1.733	98.3
2221X 01	Olefin .....	6,887	4,567	5,350	1.508	1.287	98.9
2221X 03	All other flat woven manmade fiber fabrics .....	31,031	20,436	16,529	1.518	1.877	98.0
	85 percent or more filament yarn .....	18,657	12,249	8,608	1.523	2.167	97.4
2221X 01	All polyester and chiefly polyester .....	6,577	4,495	3,543	1.463	1.856	100.0
2221X 03	All nylon and chiefly nylon .....	(D)	(D)	(D)	(D)	(D)	(D)
2221X 05	All olefin and chiefly olefin .....	11,271	7,238	4,514	1.557	2.497	95.8
2221X 07	All other filament fiber fabrics .....	(D)	(D)	(D)	(D)	(D)	(D)

(D) Data withheld to avoid disclosing figures for individual companies.



## DESCRIPTION OF SURVEY

**Survey Methodology.** The statistics in this publication were collected by mail on Bureau of the Census annual Form MC22T, Broadwoven Fabrics (Gray)- Average Weight and Width. All manufactures that report on the quarterly MQ22T, except those reporting in tire cord fabrics, were included in this study of fabric weights and widths.

This MC22T report covers approximately 95 percent of the first quarter 1992 MQ22T data. Based on the reports submitted, ratios for pounds and linear yards were computed for each of the fabrics shown. These ratios were then applied to actual production data (1st Q 92), in square yards, to obtain estimates of the pounds and linear yards of fabric produced.

The coverage ratio represents item response rates in the first quarter 1992 MQ22T survey.

**Reliability of Data.** Survey error may result from several sources: (1) inability to obtain information about all cases in the survey, (2) response errors, (3) definitional difficulties, (4) differences in the interpretation of questions, (5) mistakes in recording or coding the data obtained, and (6) other errors of collection, response, coverage, and estimation for missing data. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is due to imputing data for nonrespondents, and for data which failed the edit. The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse, because the actual data for nonrespondents may or may not closely agree with the imputed data. The range of difference between the actual and imputed figures is not precisely known, but is assumed to be small. The degree of uncertainty regarding the accuracy of the published data, however, increases as the percentage of imputation increases. Figures with imputation rates above 25 percent should be used with caution.

## EXPLANATION OF TERMS

**Woolen and Worsted Fabrics, Chiefly Wool.** Fabrics 36 percent or more by weight of wool, reprocessed wool, or reused wool. Apparel fabrics include all fabrics that may be labeled as being made entirely of wool, reprocessed wool, and reused wool under the Wool Products Labeling Act. This includes blends of wool of sheep with, and fabrics entirely of mohair, cashmere, camel hair, alpaca, llama, and vicuna.

**Cotton Fabrics.** Fabrics wholly or chiefly by weight of cotton.

**Manmade Fiber Fabrics.** Fabrics wholly or chiefly by weight of manmade fibers.

**Blends and Mixtures.** Fabrics made from more than one fiber are classified in the same way as other fabrics, i.e., according to whether the fabric is chiefly cotton, wool, or manmade fiber. As examples, a fabric which is 55 percent cotton and 45 percent rayon is classified as cotton; a fabric which is 40 percent cotton, 30 percent rayon, and 30 percent acetate is classified as manmade.

Blends and mixtures which are by weight 50 percent natural fiber and 50 percent manmade fiber are, for purposes of continuity, classified in the manmade category.

**Production.** Represents total production of broadwoven gray fabrics by all weaving mills regardless of their primary activity.

**Units of Quantity.** Production is reported in thousands of square yards, linear yards, and thousands of pounds.

**Spun Yarn Fabrics.** Includes all fabrics that contain 85 percent or more spun yarns.

**Filament Yarn Fabrics.** Includes all fabrics that contain 85 percent or more filament yarns.

**Spun/Filament Combinations.** Includes fabrics that are combinations of spun and filament yarn where neither the spun or filament yarns exceed 85 percent.

**Plain Weave Fabrics.** A fabric construction in which each yarn of the weft passes alternately over and under successive yarns of the warp and each yarn of the warp passes alternately over and under successive yarns of the weft.

**Tobacco, Cheese, and Bandage Cloth.** Fabrics of plain weave, weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) consisting of 85 or less warp ends and filling picks per square inch whether or not napped.

**Print Cloth.** Fabrics of plain weave, weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) of average yarn numbers 26-40, consisting of more than 85 singles yarns per square inch, of square construction, whether or not of yarns of different colors (yarn dyed), whether or not napped.

**Poplin and Broadcloth.** Fabrics of plain weave, not of square construction, whether or not napped, but does not include the following types—fabrics weighing not more than 5.9 ounces per square yard, containing 85 or



less warp ends and filling picks per square inch, or fabrics weighing more than 5.9 ounces per square yard of average yarn number 15 or lower.

*Lawns, Voiles, and Batistes.* Fabrics of plain weave weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) consisting of more than 85 warp ends and filling picks per square inch, of square construction, of average yarn number 41 or higher, whether or not napped.

*Sheeting.* Fabrics of plain weave, whether or not napped, of the following types:

Fabrics weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), of square construction, containing more than 85 warp end and filling picks per square inch, of average yarn number 40 or lower, but not including print cloth.

Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric) but does not include fabrics of which the warp or filling, or both, consists of multiple (folded) or cabled yarns, of average yarn number 15 or lower or fabrics of average yarn number 16 or higher number, not of square construction.

*Twill Weave Fabrics.* Fabrics in which the warp and filling yarns are interlaced in such a manner as to produce a diagonal or bias effect on the face of the fabric.

*Blue Denim.* Fabrics of 3 or 4-thread twill, including broken twill, warp faced, the warp yarns of which are dyed blue and the weft yarns of which are unbleached, bleached, dyed grey or colored a lighter shade of blue than that of the warp yarns.

*All Other Denim.* Includes sport denims and all other denim not included above.

*Canton Flannel.* Fabric woven with a four-harness warp face twill with heavy, soft filling yarn, and a medium count warp. A long nap is raised on the back.

*Sateens.* Fabrics woven with a satin weave, whether or not napped, in which the surface of the cloth consists almost entirely of warp or filling floats; that is, in the repeat of a weave pattern, each yarn of one system passes over several yarns of the other system before interlacing.

*Oxfords.* Fabrics weighing not more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), whether or not napped,

woven as plain weave except that two or more warp ends are woven as one (taped warp). Oxford cloth is not to be classified as a plain weave fabric.

*Duck.* Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces per square yard (chiefly cotton fabric), of average yarn number 15 or lower number, whether or not napped, of a plain weave where the warp or filling or both, consists of multiple (folded) or cabled yarns.

*Taped Warp Duck.* Fabrics weighing more than 5 ounces per square yard (chiefly manmade fabric) or 5.9 ounces (chiefly cotton fabric), of average yarn number 15 or lower number, whether or not napped, of a plain weave except that two or more warp ends are woven as one (tape warp) whether or not containing multiple (folded) or cabled yarns.

*Shirting, Jacquard or Dobby.* Fabrics weighing not more than 5 ounces per square (chiefly manmade fiber) or 5.9 ounces per square yard (chiefly cotton fiber) whether or not napped, woven wholly or in part with jacquard or dobby attachment.

*Table Damask.* Fabrics, whether or not napped, woven wholly or in part with jacquard or dobby attachment characterized by elaborate decorative designs, usually of floral patterns. The designs are reversible and are formed by warp-face satin weave. Table damask is generally all white, although it is sometimes made with colored stripes or in solid pastel shades.

*High Tenacity Yarn Fabric.* Fabric made from yarns having a tenacity, expressed in centinewtons per tex (cN/tex) greater than 60 cN/tex for multiple (folded) or cabled yarns of nylon or polyester; or 27 cN/tex for multiple (folded), cabled, or singles yarns of viscose rayon.

*Flat Filament Fabrics.* Fabrics containing filament yarns having less than twelve turns per inch.

## RELATED REPORTS

The Bureau of the Census also publishes the following related reports:

Series	Frequency	Title
<i>Current Industrial Reports</i>		
MQ22T	Quarterly	<i>Broadwoven Fabrics (Gray)</i>
MQ22D	Quarterly	<i>Consumption on the Woolen System and Worsted Combing</i>



Series	Frequency	Title
M22P	Monthly	<i>Consumption on the Cotton System and Stocks</i>
MQ23X	Quarterly	<i>Sheets, Pillowcases, and Towels</i>
MA22F.1	Annually	<i>Textured Yarn Production</i>
MA22F.2	Annually	<i>Spun Yarn Production</i>
MA22K	Annually	<i>Knit Fabric Production</i>
MA22Q	Annually	<i>Carpet and Rugs</i>
MA22M	Biennially	<i>Stocks of Wool and Related Fibers</i>
MQ23A	Quarterly	<i>Apparel</i>
MA23D	Annually	<i>Gloves and Mittens</i>

*Other Industry Reports*

M3-1	Monthly	<i>Manufacturers' Shipments, Inventories, and Orders</i>
(AS)	Annually	<i>Annual Survey of Manufactures (ASM)</i>
(MC)	Quinquennially	<i>Census of Manufactures</i>

*Foreign Trade Reports*

CD-ROM	Monthly/Annually	<i>U.S. Exports—Schedule B—Commodity by Country</i>
FT 447	Annually	

Series	Frequency	Title
CD-ROM	Monthly/Annually	<i>U.S. Imports for Consumption—HTSUSA—Commodity by Country</i>
FT 247	Annually	

**CONTACTS FOR DATA USERS**

Subject Area	Contact	Phone Number
Current Industrial Report MC22T	Keith Featherstone	301-763-2553
Manufacturers' Shipments, Inventories, and Orders	Steve Andrews	301-763-2502
Classification Systems Comparability	Francis McCormick (ESD)	301-763-1935
Census/ASM	Ted McGrath	301-763-5152
Foreign Trade	Trade Data Inquiries Staff (FTD)	301-763-5140
Office of Textiles and Apparel	James Bennett	202-377-4058
To order a Current Industrial Report	Superintendent of Documents (GPO)	202-783-3238
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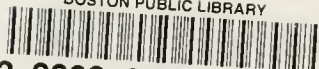








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